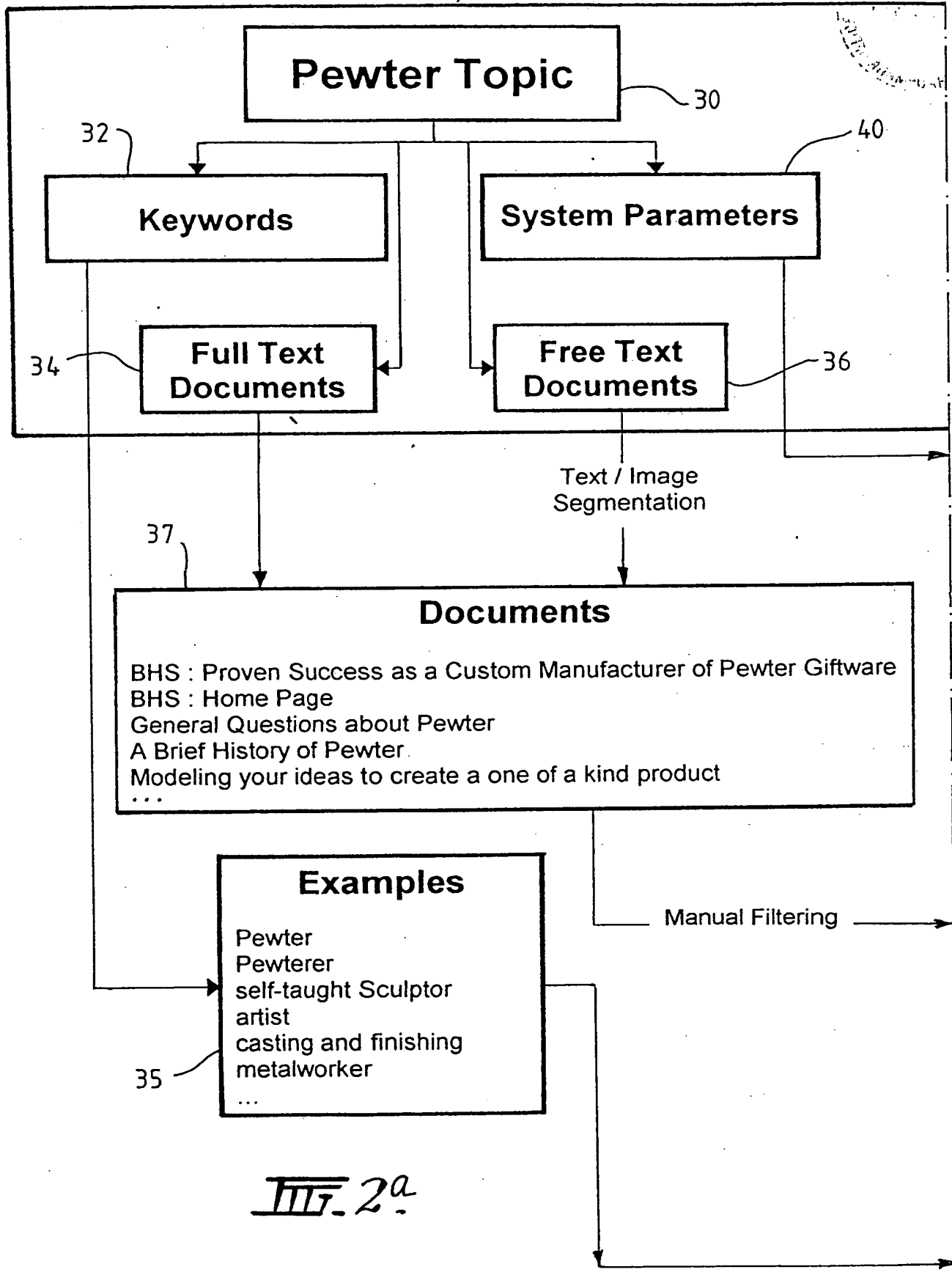
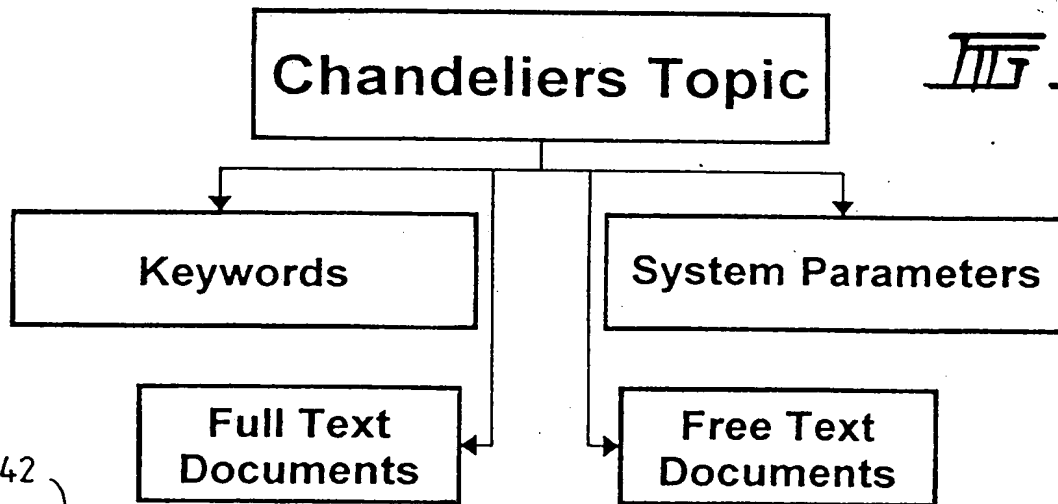


FIG. 1



3/46

An Example Of A Personalised Profile Of A User



Useful Texts Abstracted & Combined

BHS Industries manufactures **pewter** items.

From just an idea to **artwork**, we see a project through modelmaking, mouldmaking, production, and any finishing of the jobs as required. From final assembly, to boxing, and shipping, BHS is your pewter experts.

Artwork and create the model, or physical piece, to be reproduced in **pewter** in a cost-effective way. The use of rubber moulds enable us to produce items with relatively low tooling costs, making low volume orders affordable to our customers. From figurines to special edition **pewter plates**, from picture frames and clocks to custom desk set pieces.

Pewter was probably first made in the **Bronze Age** (between 2000 and 500BC)

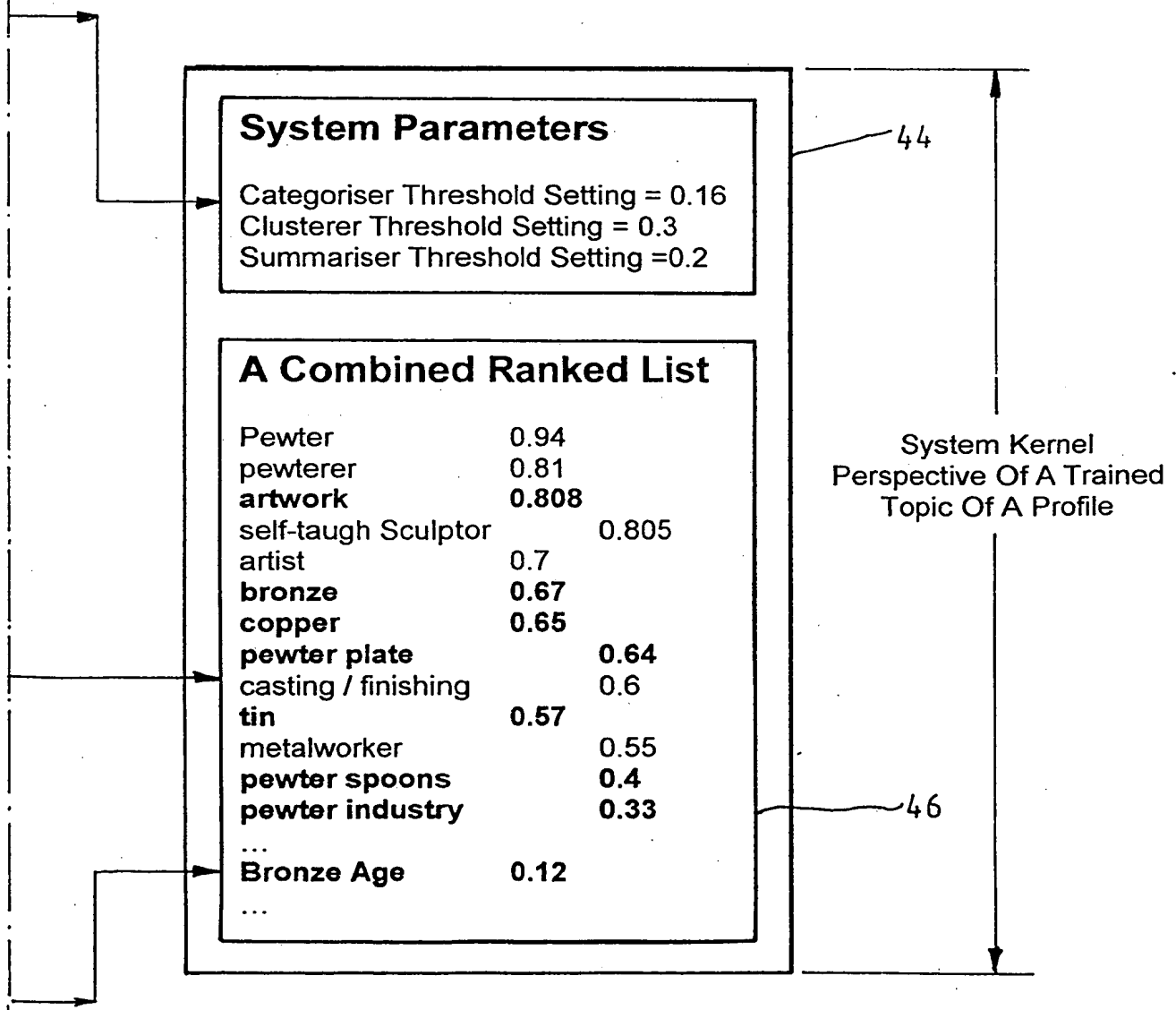
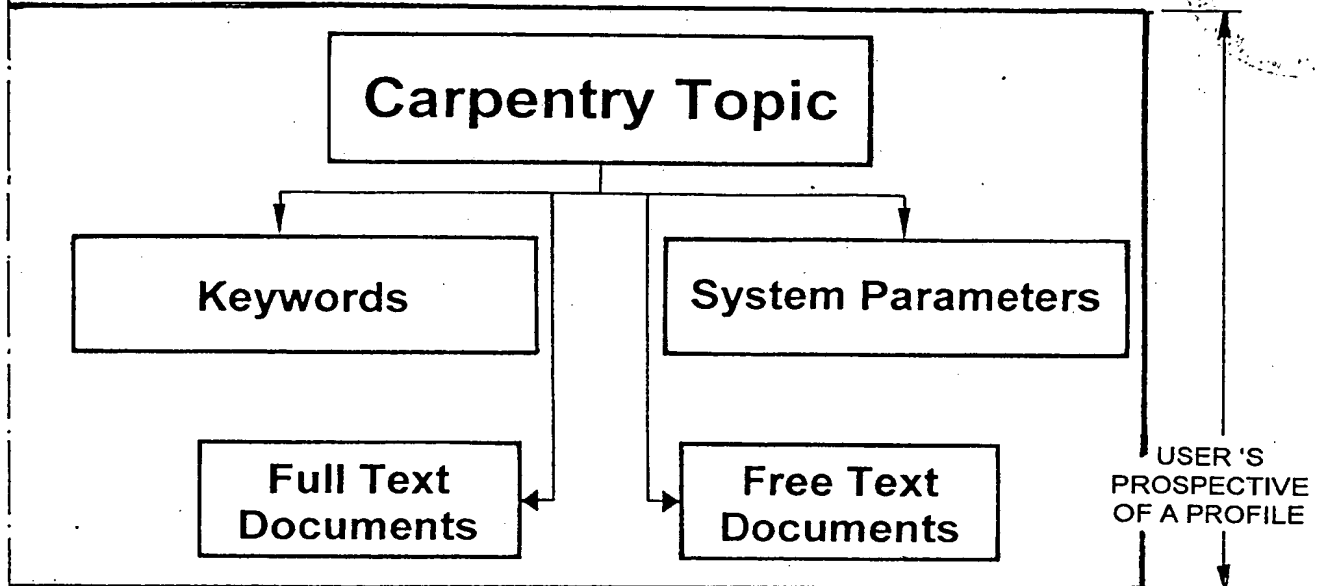
Pewter and **bronze** are related alloys; **pewter** is mostly tin, with a small amount of **copper**(and other ingredients),while **bronze** is an alloy made up primarily of **copper**,with a small amount of tin. It seems likely that **pewter** was invented when the qualities of metal in the alloy were reversed –though whether this was by accident or design is impossible to tell !

Examples of Roman **pewter** – mostly spoons and other small utensils--- still exist in museums. Most items made of **pewter** in this era were utilitarian. Being a soft metal, **pewter spoons** etc. would eventually wear out and would then likely be melted down to make something new. So, very old examples of pewter are not nearly as common as are pieces made of harder metals like **bronze**.

By the middle ages the use of **pewter** was widespread. It was mainly used for functional items like plates and cutlery—but **pewterers** also made small decorations and toys, referred to as "trifle".

The growth of the **pewter industry** in Europe at this time led to the establishment of guilds, which regulated the quality of work produced by pewteres. " The Worshipful Company of **Pewterers**" was established in England in 1348 for this purpose.

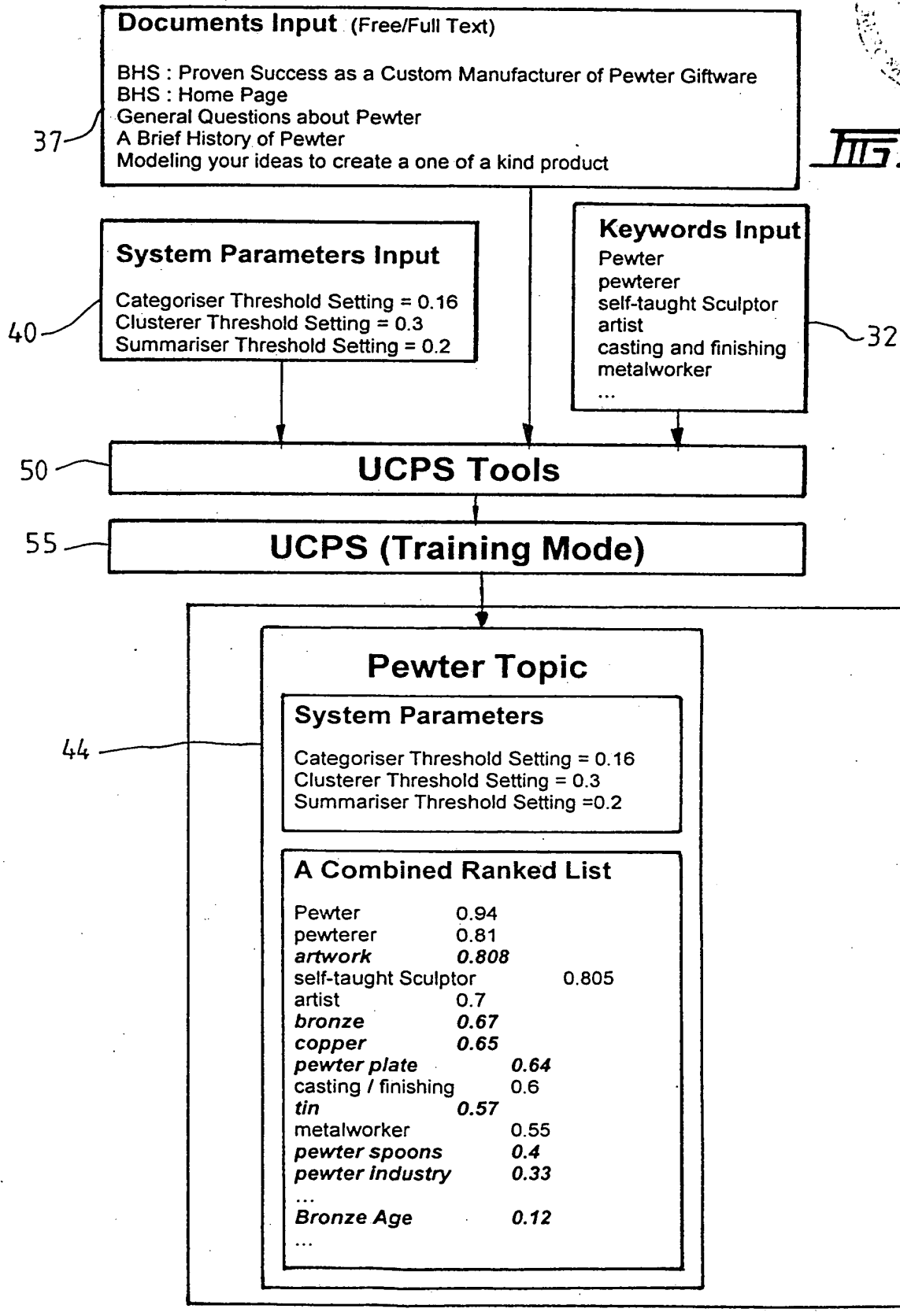
Towards the end of the 18th. century....



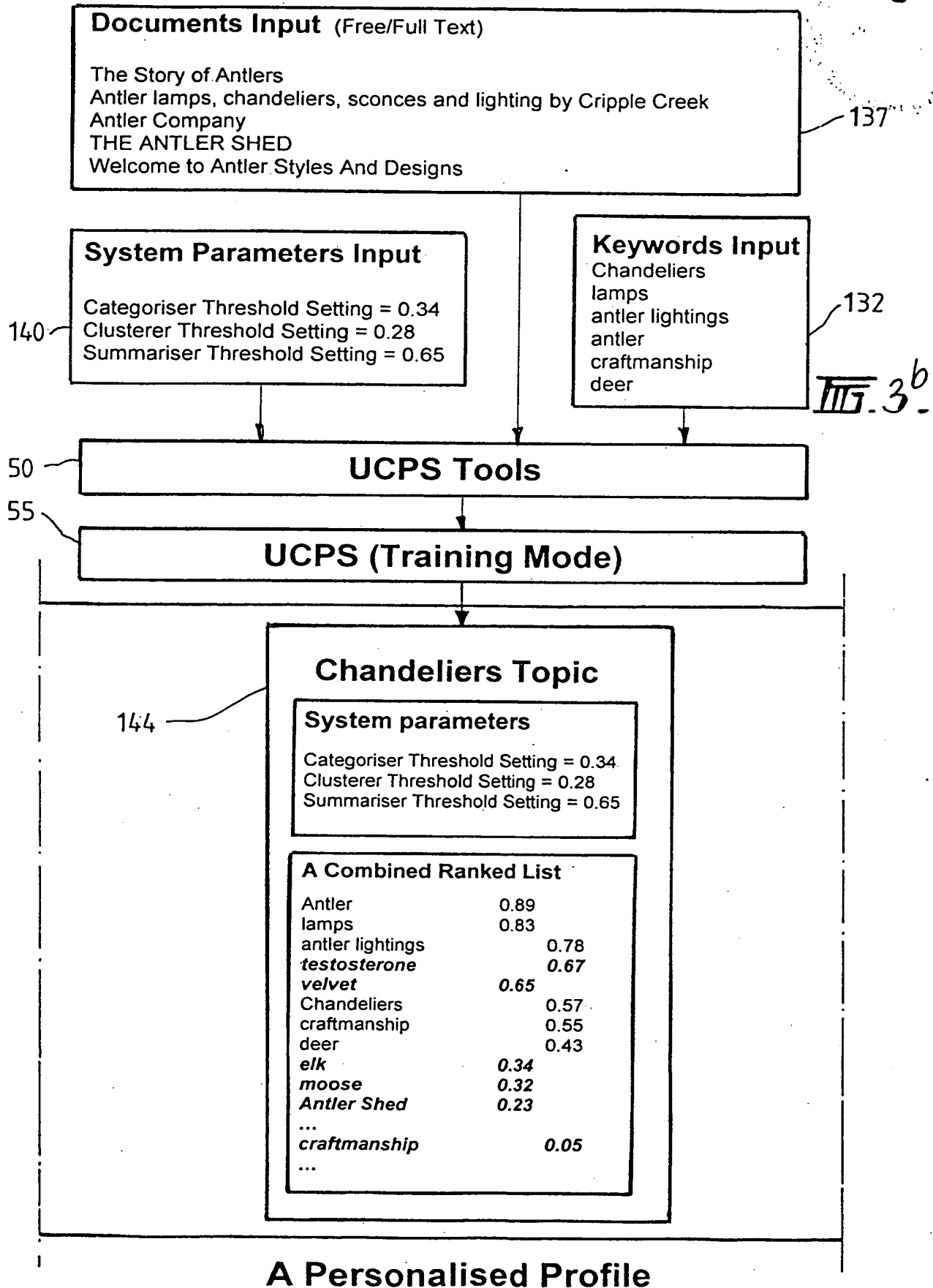
5/46



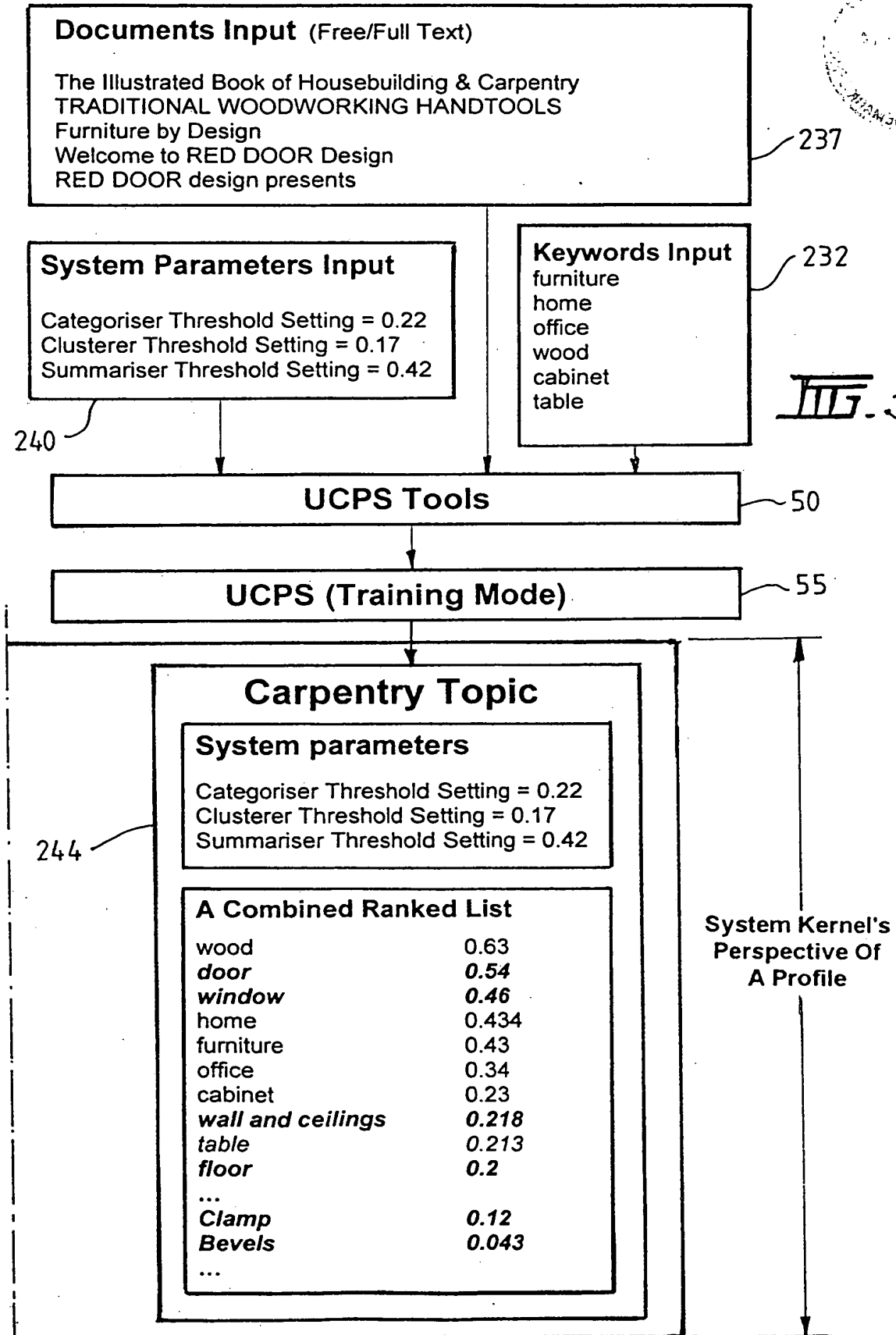
Fig. 3a.



An Example Of A Personalised Profile : Categoriser Training

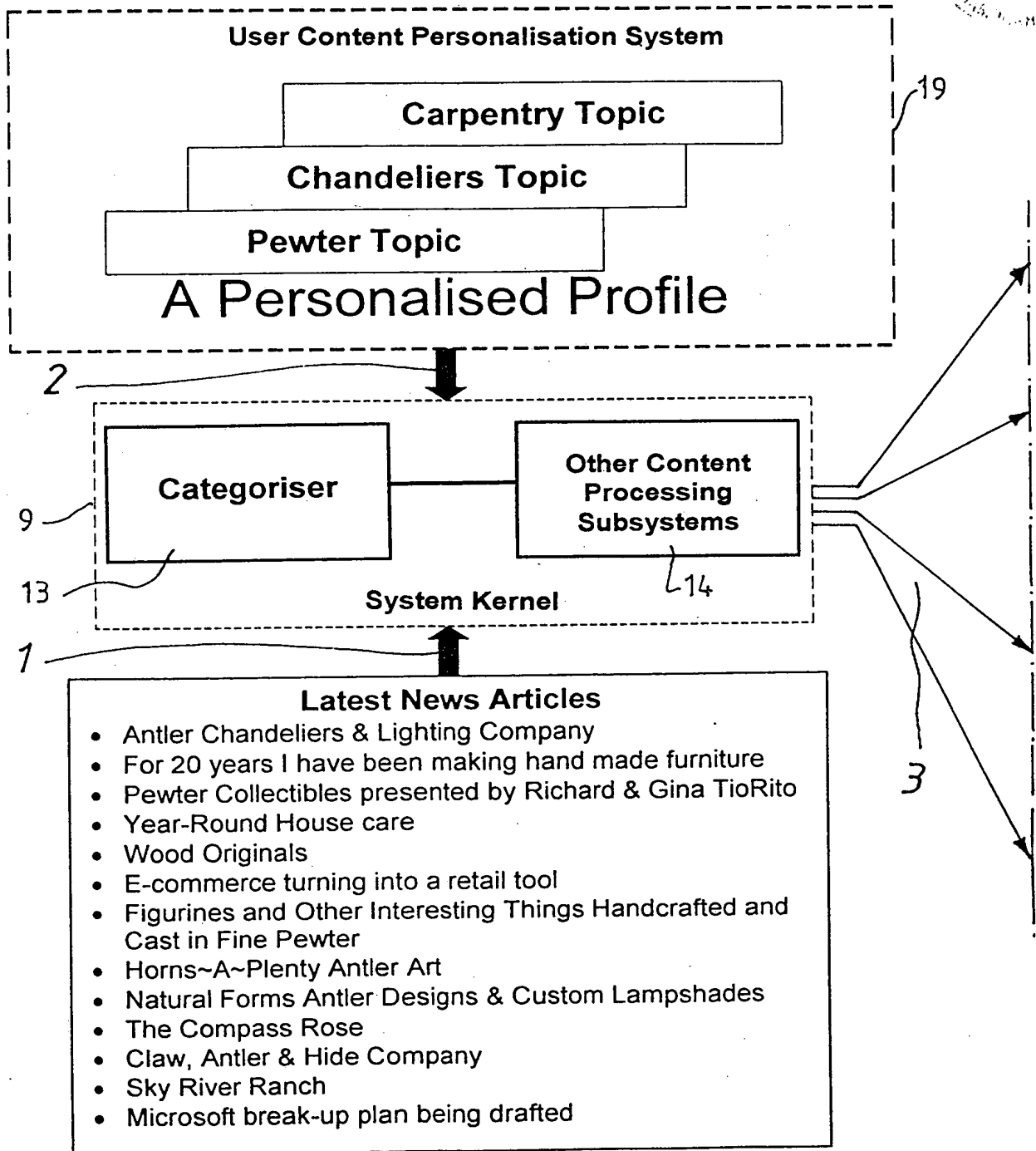


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8/46

An Example of A Personalised Profile : Categoriser Document Sorting



III 4a

9/46

Pewter Tray

- Pewter Collectibles presented by Richard & Gina TioRito
- The Compass Rose
- Figurines and Other Interesting Things Handcrafted and Cast in Fine Pewter

51

Chandeliers Tray

- Antler Chandeliers & Lighting Company
- Sky River Ranch
- Natural Forms Antler Designs & Custom Lampshades
- Claw, Antler & Hide Company
- Horns~A~Plenty Antler Art

52

Carpentry Tray

- Year-Round House Care
- For 20 years I have been making hand made furniture
- Wood Originals

53

Unwanted Tray

- Microsoft break-up plan being drafted
- E-commerce turning into a retail tool

54

III 4b

10/4-6

New Pewter Topic Creation – An Example

Documents Input (Free/Full Text)

BHS : Proven Success as a Custom Manufacturer of Pewter Giftware
 BHS : Home Page
 General Questions about Pewter
 A Brief History of Pewter
 Modeling your ideas to create a one of a kind product

37

Update
Process

System Parameters Input

Categoriser Threshold Setting = 0.16
 Clusterer Threshold Setting = 0.3
 Summariser Threshold Setting = 0.2

40

Keywords Input

Pewter
 pewterer
 self-taught Sculptor
 artist
 casting and finishing
 metalworker

32

50

UCPS Creation -Tool

UCPS (Training Mode)

55

Pewter Topic

System parameters

Categoriser Threshold Setting = 0.16
 Clusterer Threshold Setting = 0.3
 Summariser Threshold Setting = 0.2

44

A Combined Ranked List

Pewter	0.94	
pewterer	0.81	
artwork	0.808	
self-taught Sculptor		0.805
artist	0.7	
bronze	0.67	
copper	0.65	
pewter plate		0.64
casting / finishing		0.6
tin	0.57	
metalworker		0.55
pewter spoons		0.4
pewter industry		0.33
Bronze Age		0.12

A Personalised Profile

System Kernel's
 Perspective Of
 A Profile

III. 5a

11/46

Existing Pewter Topic Update – An Example

Documents Input (Free/Full Text)

Michael J. Gilbert :Infrequently Asked Question
Celtic Miracles
....

37

32

System Parameters Input

Categoriser Threshold Setting = 0.32

40

50

Keywords Input

Plates
Candlesticks
....

UCPS Update Tool

UCPS (Training Mode)

55

Pewter Topic

System parameters

Categoriser Threshold Setting = 0.32
Clusterer Threshold Setting = 0.3
Summariser Threshold Setting = 0.2

A Combined Ranked List

Pewter	0.92	
pewterer	0.84	
artist	0.81	
artwork	0.80	
pewter plate		0.7
bronze	0.67	
copper	0.66	
casting / finishing		0.58
tin	0.55	
metalworker		0.53
Plates		0.42
pewter spoons		0.41
pewter industry		0.35
...		
Bronze Age		0.21
Candlesticks		0.11

A Personalised Profile

New value is set
for Categoriser
Threshold

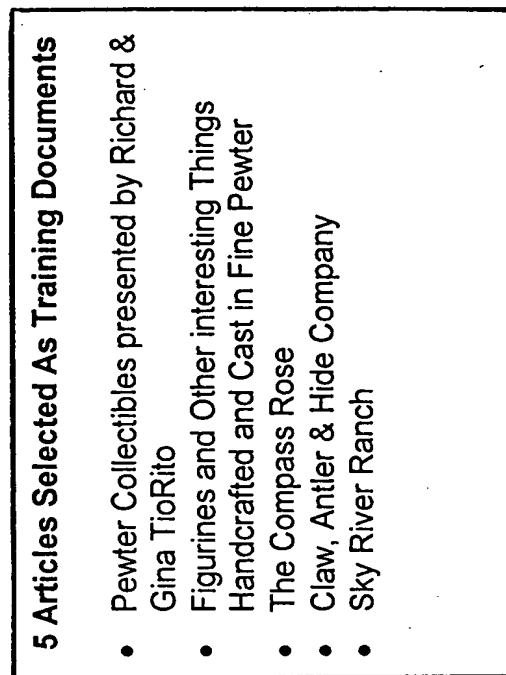
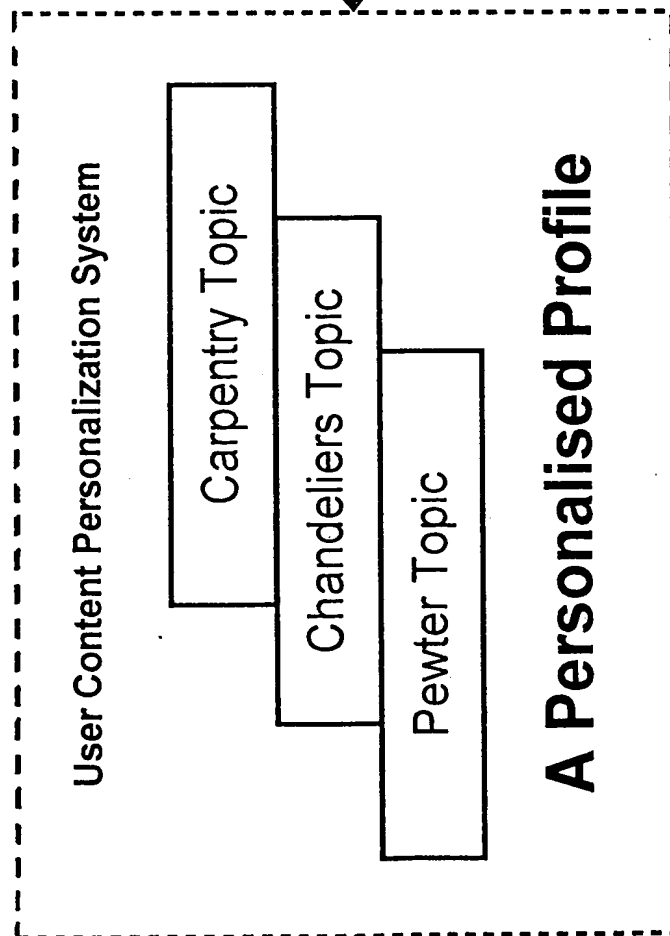
New list is
created with
different ranking
& weights

44

System
Kernel's
Perspective
Of A Profile

MG 5b

An Example Of A User Reading Articles & Update His Personal Profile

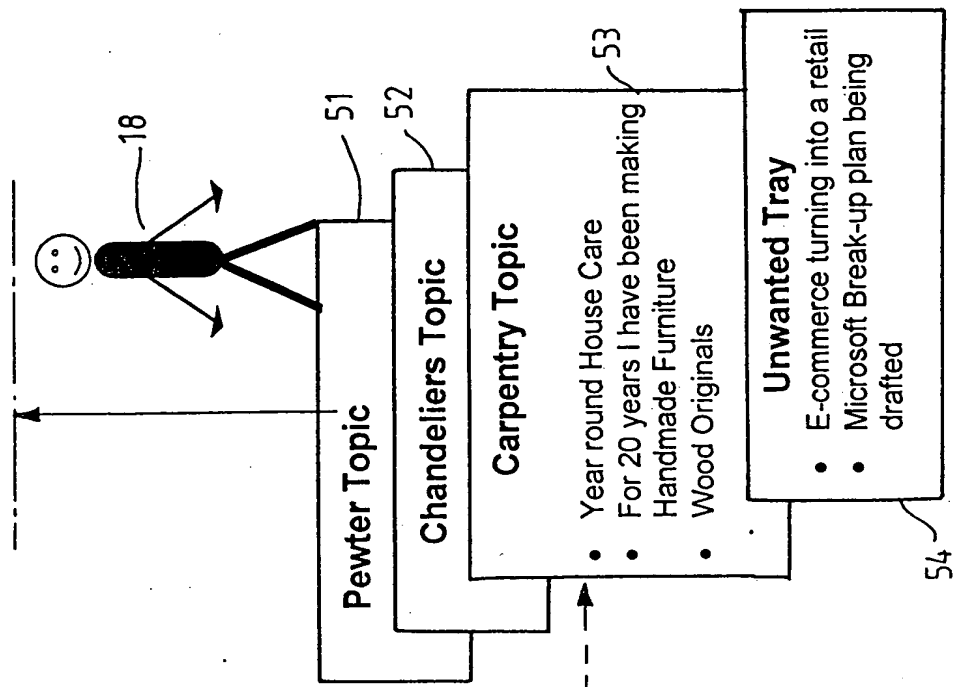


1

2

III. 6a





Latest News Articles

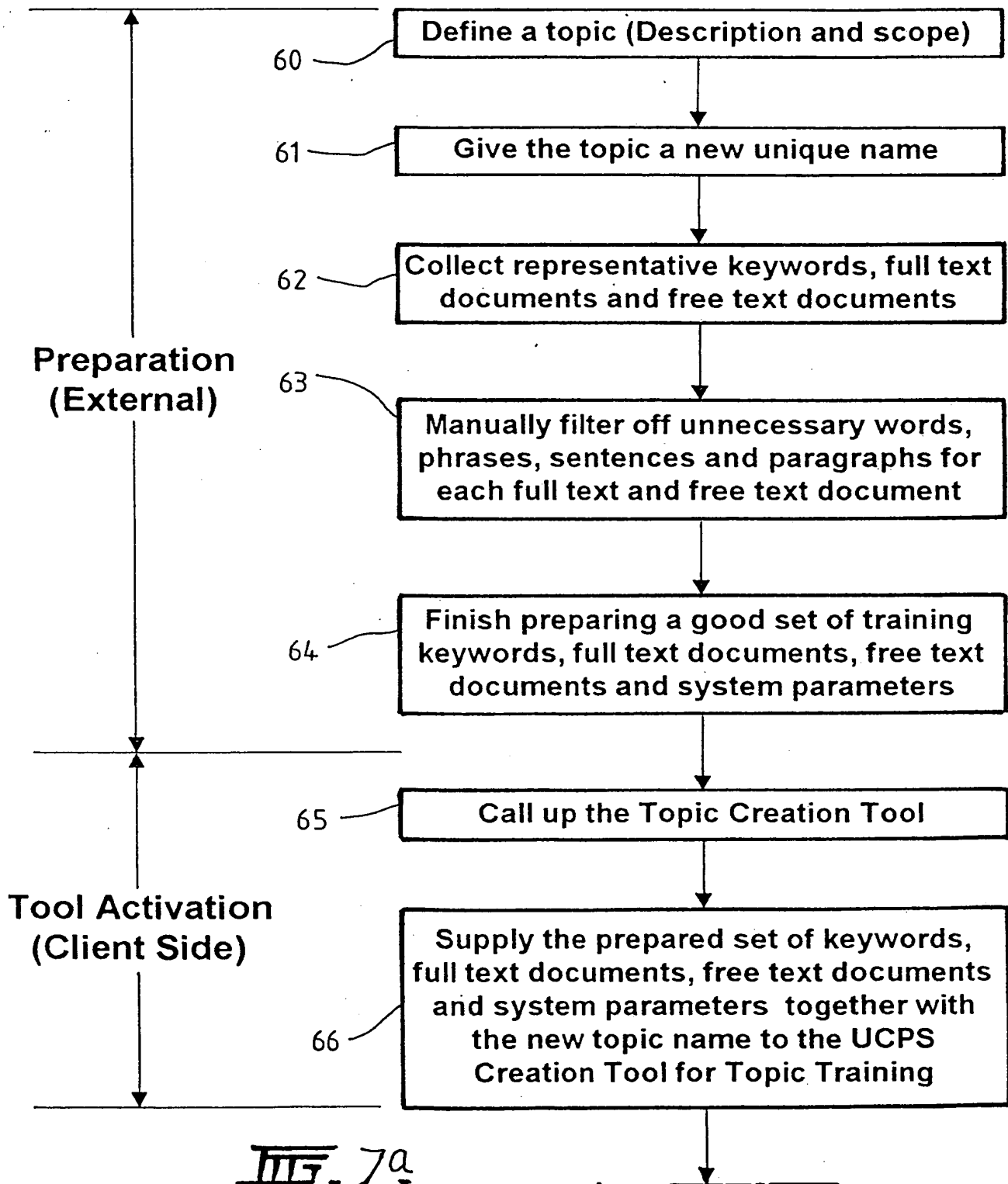
- Antler Chandeliers & Lighting Company
- For 20 years I have been making hand-made furniture
- Pewter Collectibles Presented By Richard & Gina Tio Rito
- Year-Round House Care
- Wood Originals
- E-commerce turning into a retail tool
- Figurines and Other Interesting Things Handcrafted and Cast in Fine Pewter
- Horns~A~Plenty Antler Art
- Natural Forms Antler Designs & Custom Lampshades
- The Compass Rose
- Claw, Antler & Hide Company
- Sky River Ranch
- Microsoft break-up plan being drafted

III. 6b.





Topic Creation FlowChart



15/46

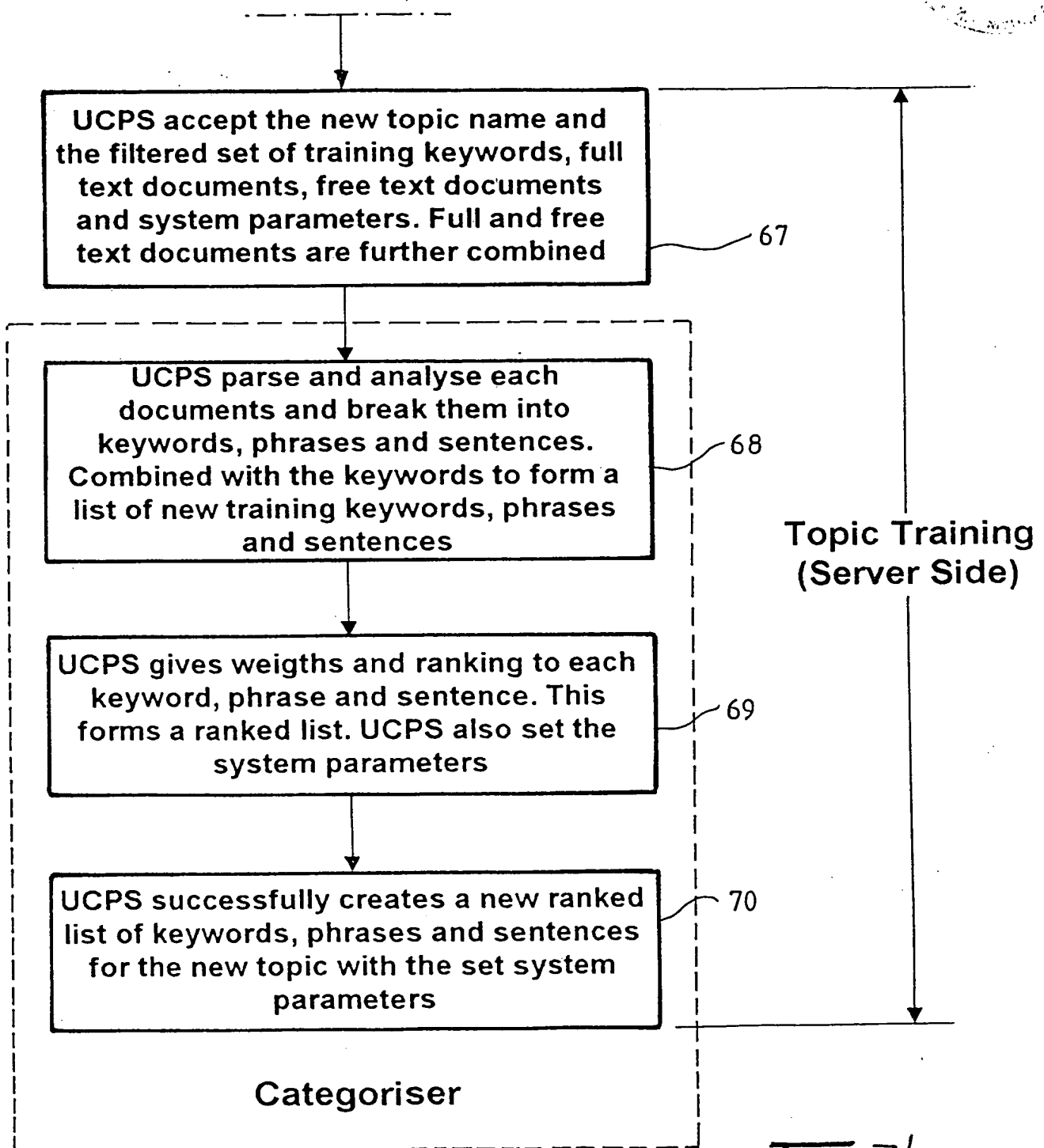
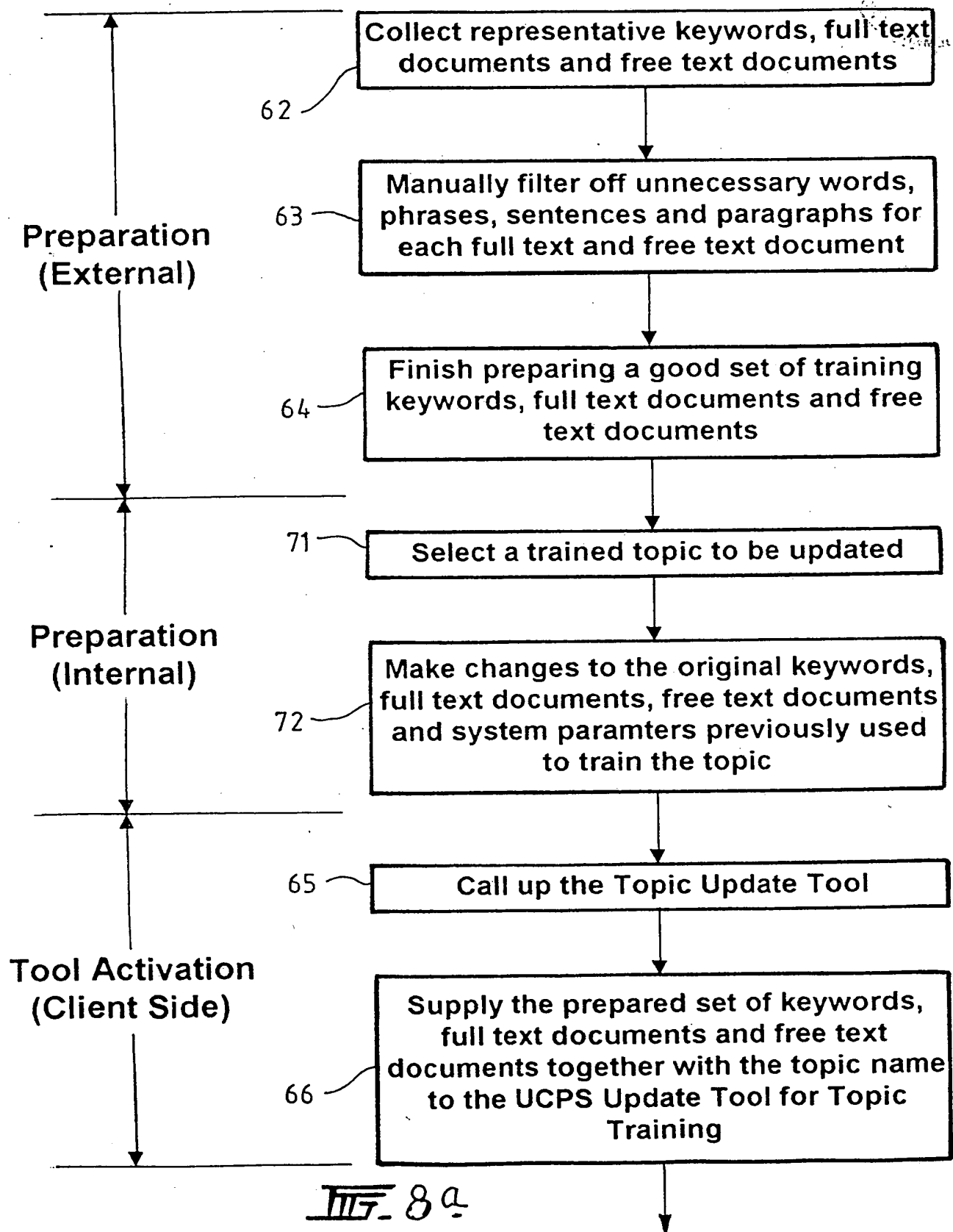


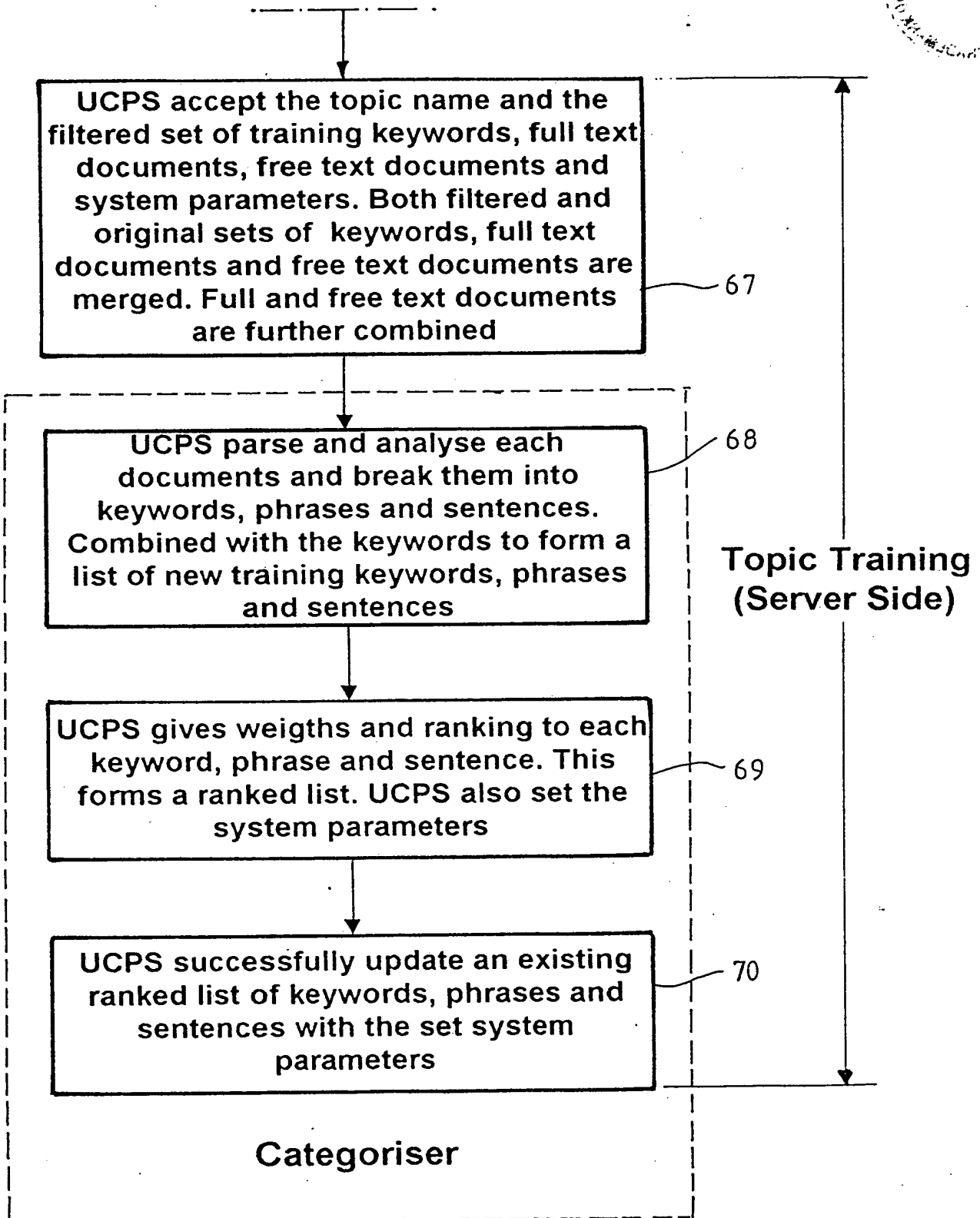
FIG. 7b.

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Topic Update FlowChart



17/46



III. 8b.



Topic Skew FlowChart

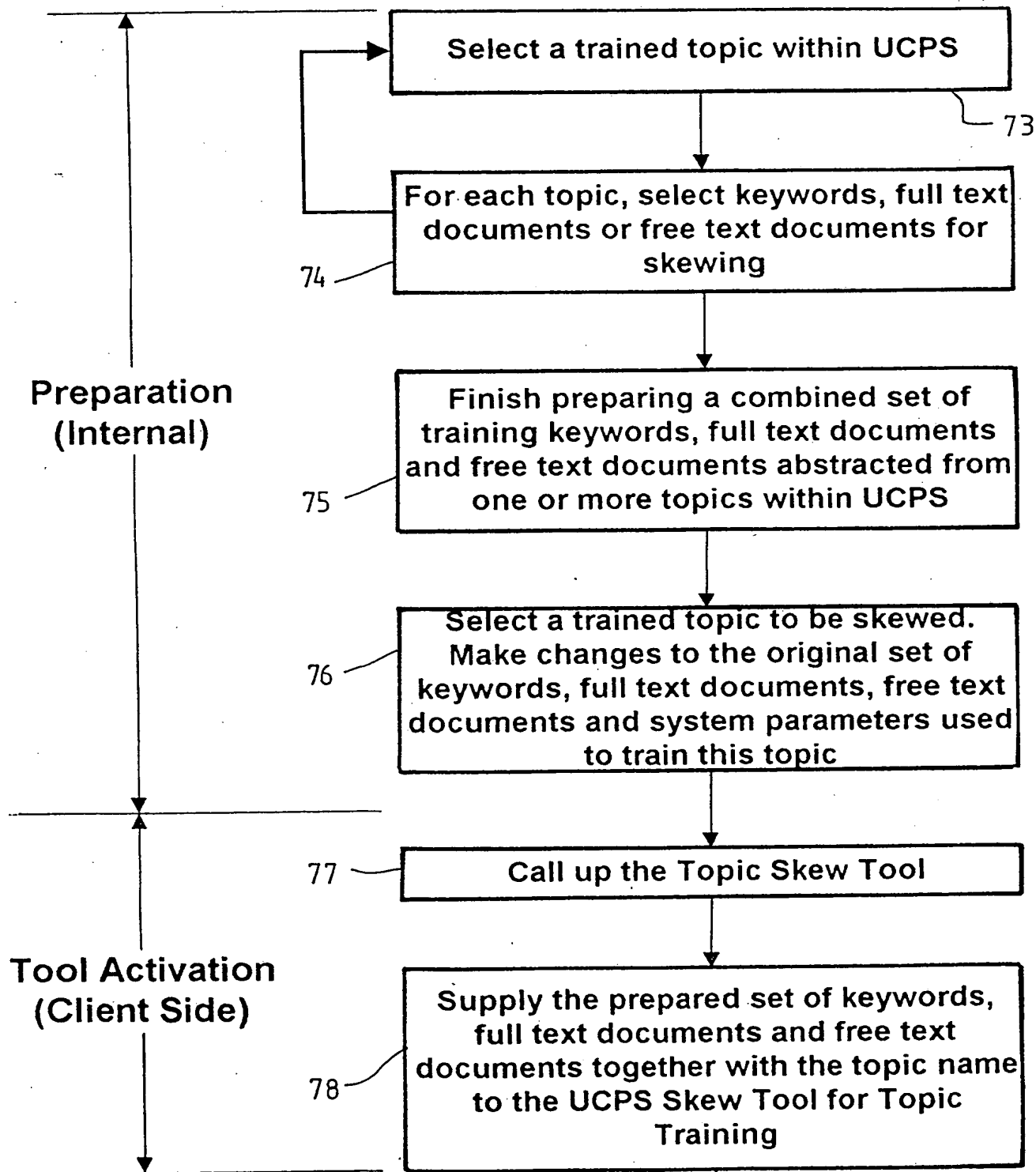
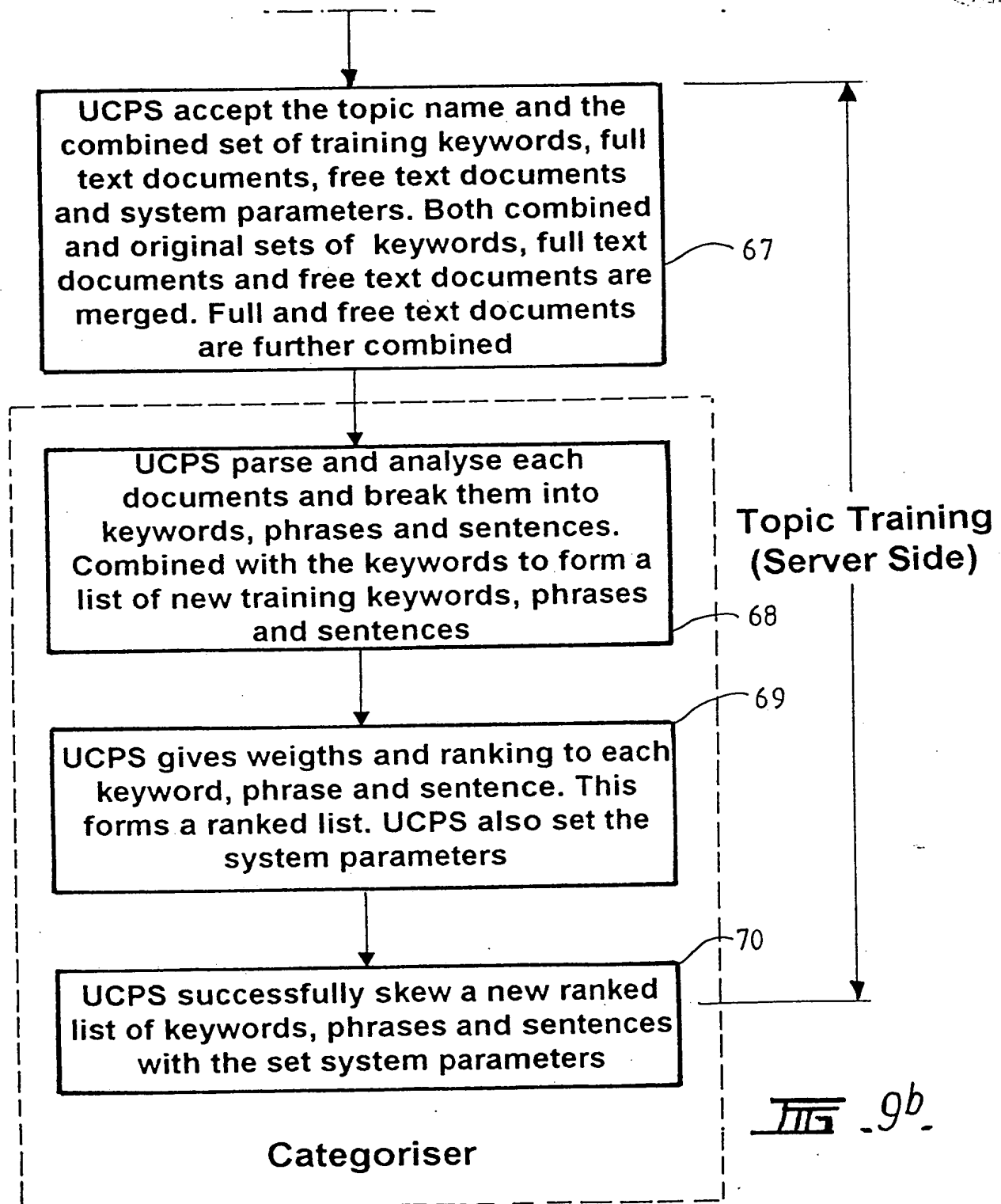


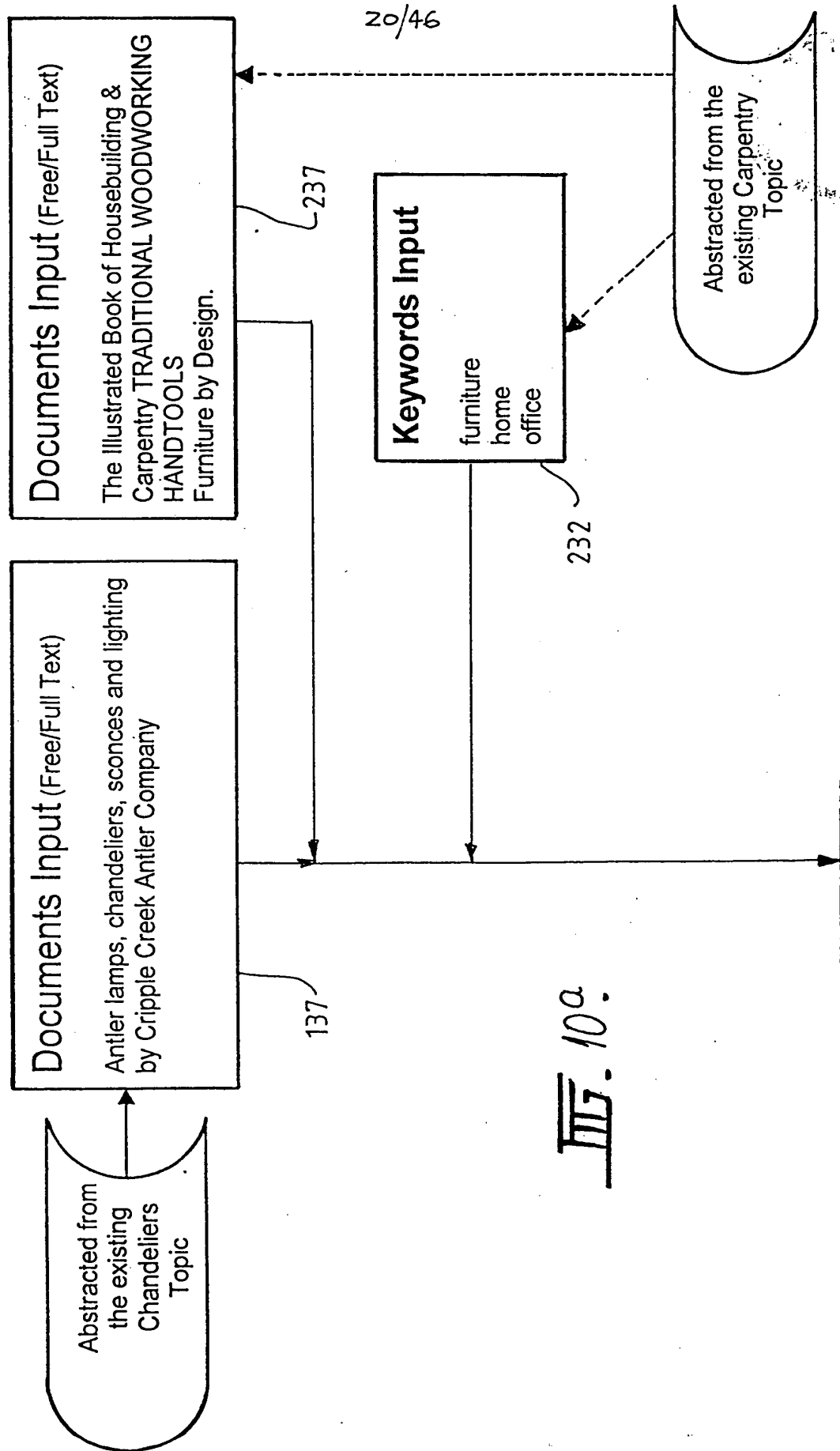
Fig. 9a

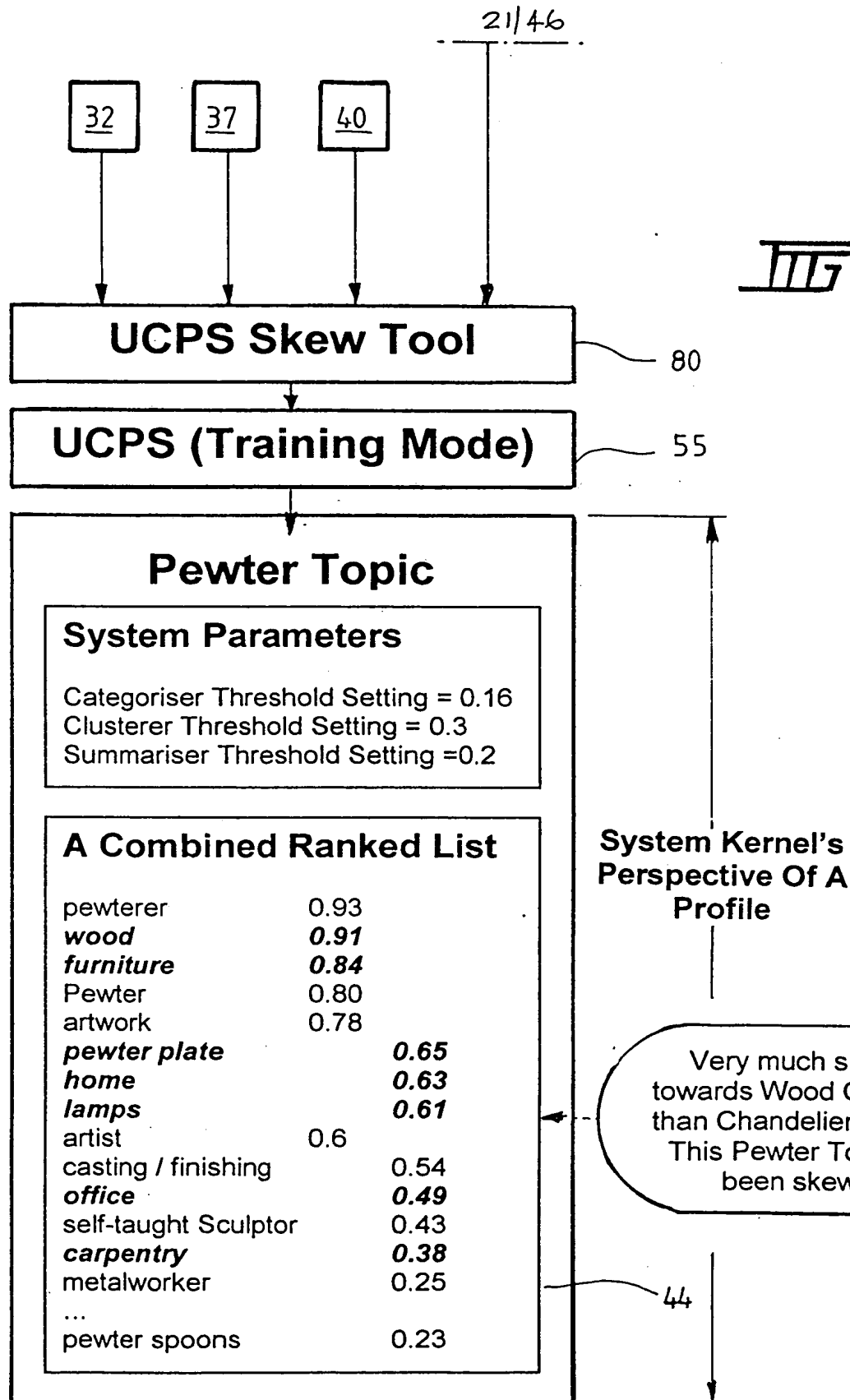
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III .9b.

Existing Pewter Topic Skew – An Example



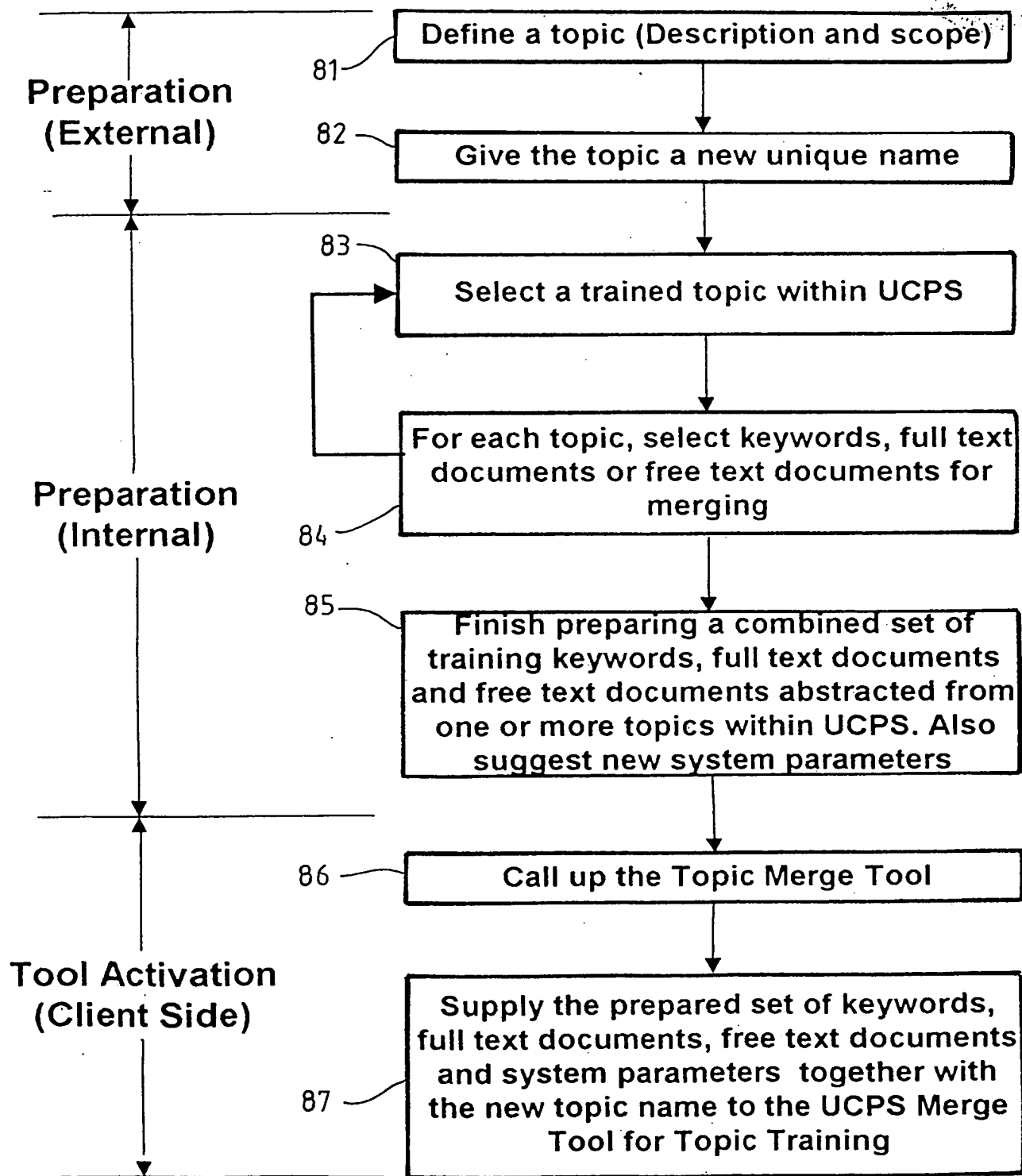


A Personalised Profile

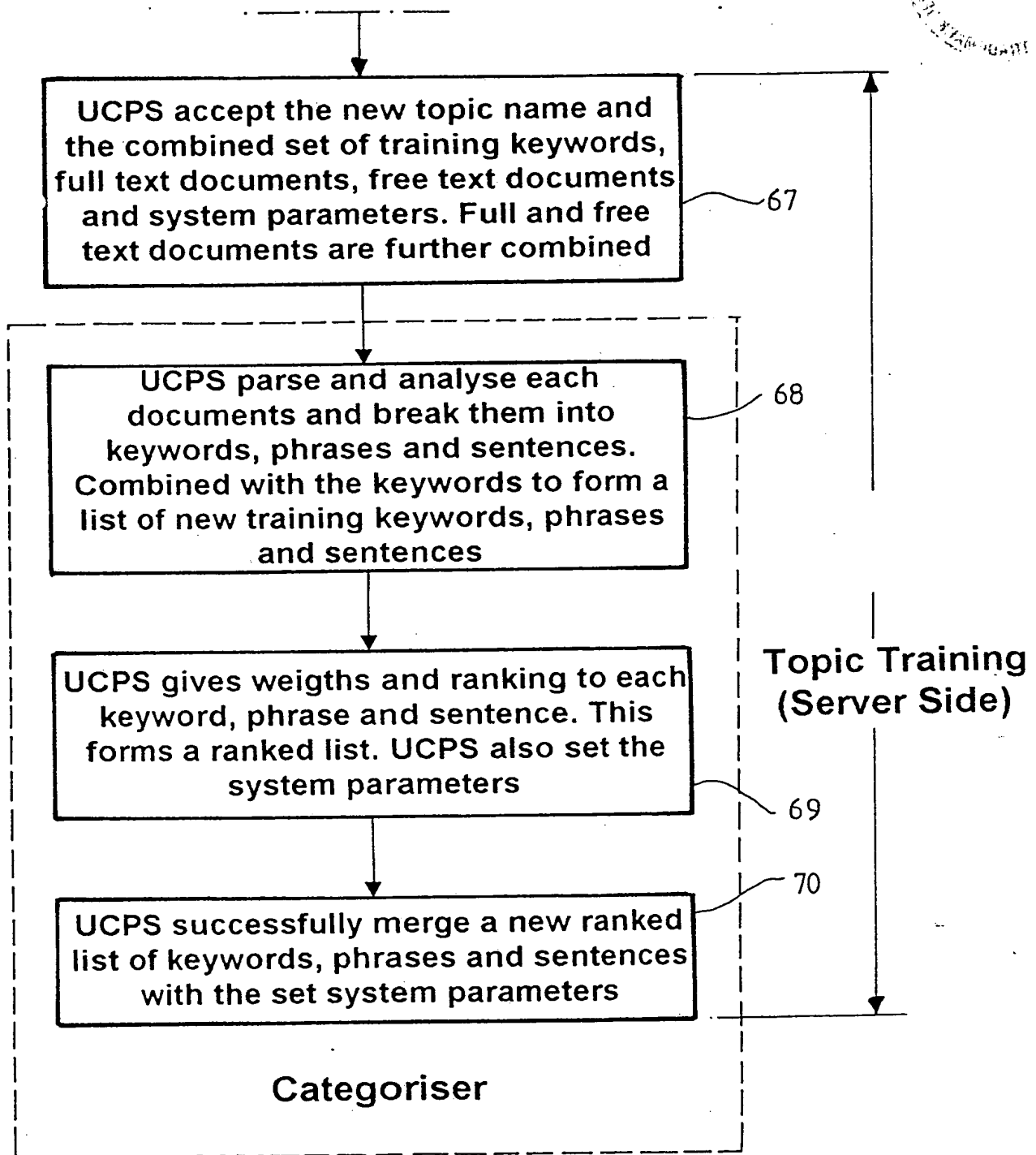


III 10b

Topic Merge FlowChart



III. 11a



24/46

System Parameters Input

Categoriser Threshold Setting = 0.43
Clusterer Threshold Setting = 0.81
Summariser Threshold Setting = 0.02

340

III-12a

UCPS Merge Tool

90

UCPS (Training Mode)

55

Home-Lamp Topic

System Parameters

Categoriser Threshold Setting = 0.43
Clusterer Threshold Setting = 0.81
Summariser Threshold Setting = 0.02

344

A Combined Ranked List

home	0.94
lamps	0.81
kitchen	0.808
RED DOOR	0.805
table	0.7
furniture	0.67
antler	0.65
antler lightings	0.64
design	0.6
cabinet	0.57
Chandeliers	0.55
window	0.4
craftmanship	0.33
Antler lightings	0.12
...	

A Personalised Profile

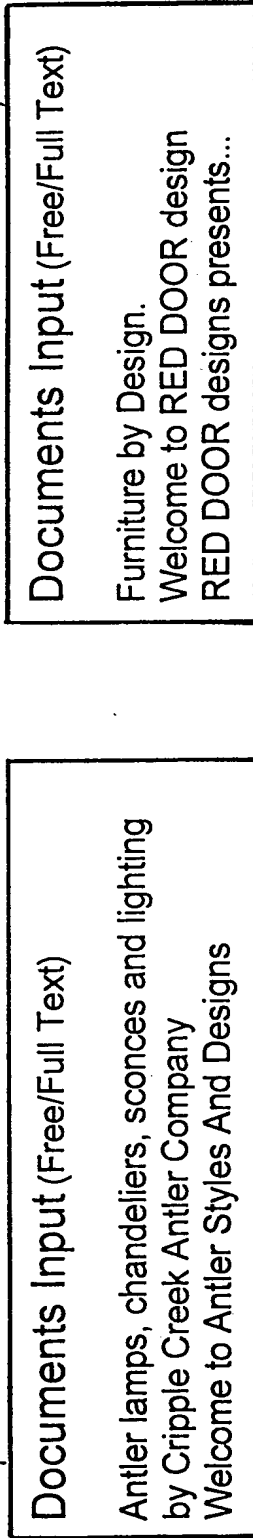
System Kernel's Perspective Of A Profile

A new topic is created based on internal input from 2 different topics. Except for system parameters, no external input is allowed for merging. External input can be used for subsequently update using the Update Tool.

New Home-Lamp Topic Merge – An Example

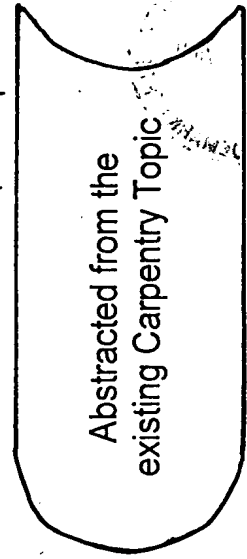
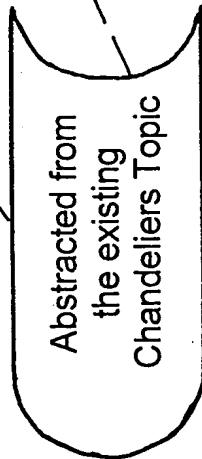
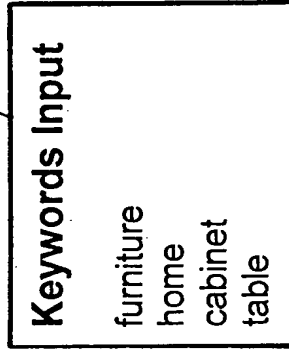
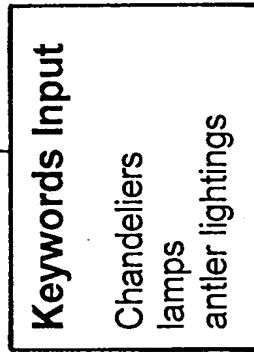
137

237

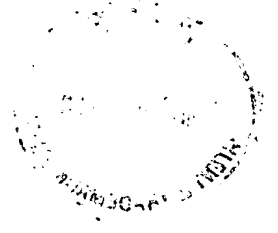


132

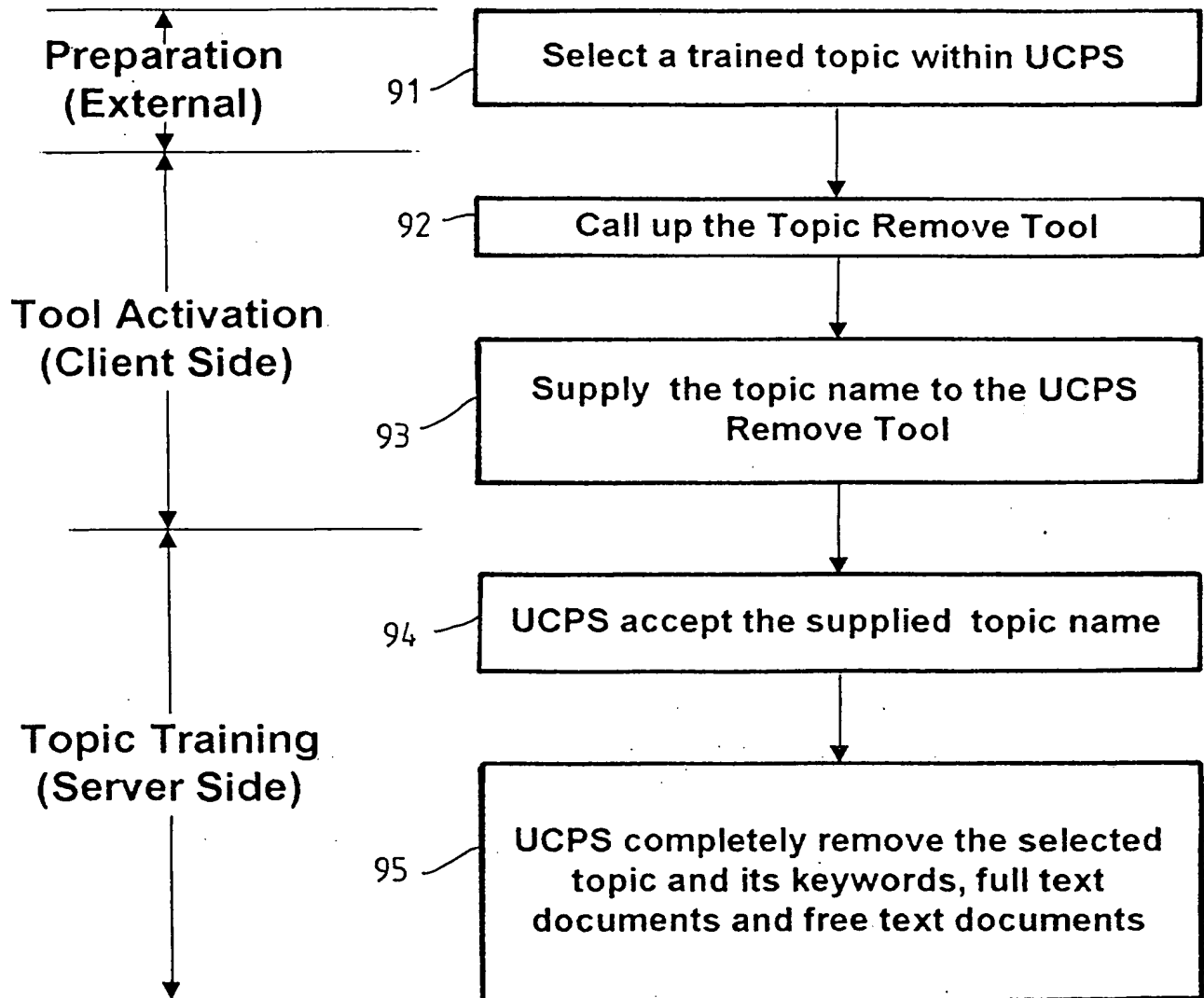
232



III-12b

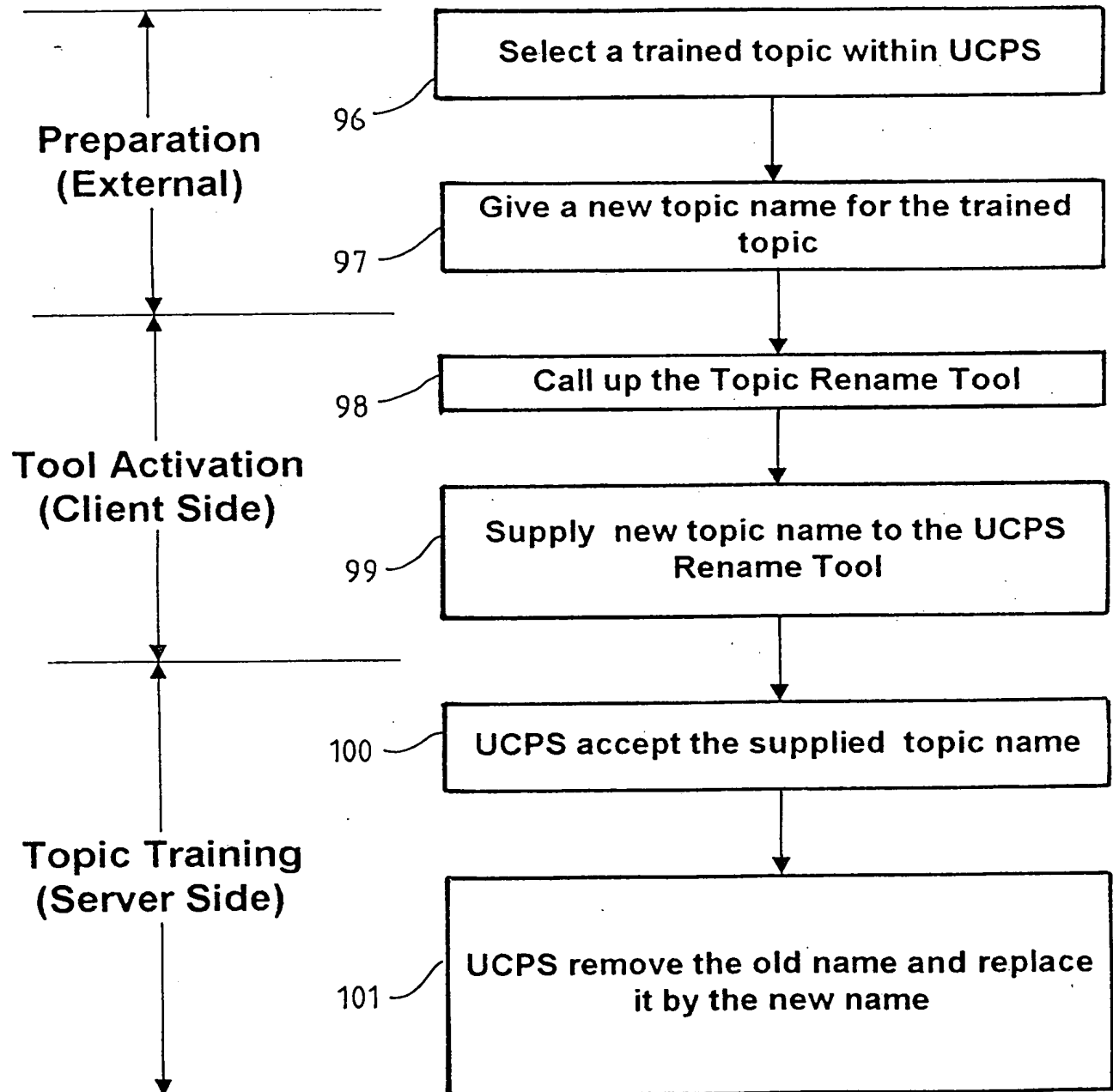


Topic Remove FlowChart





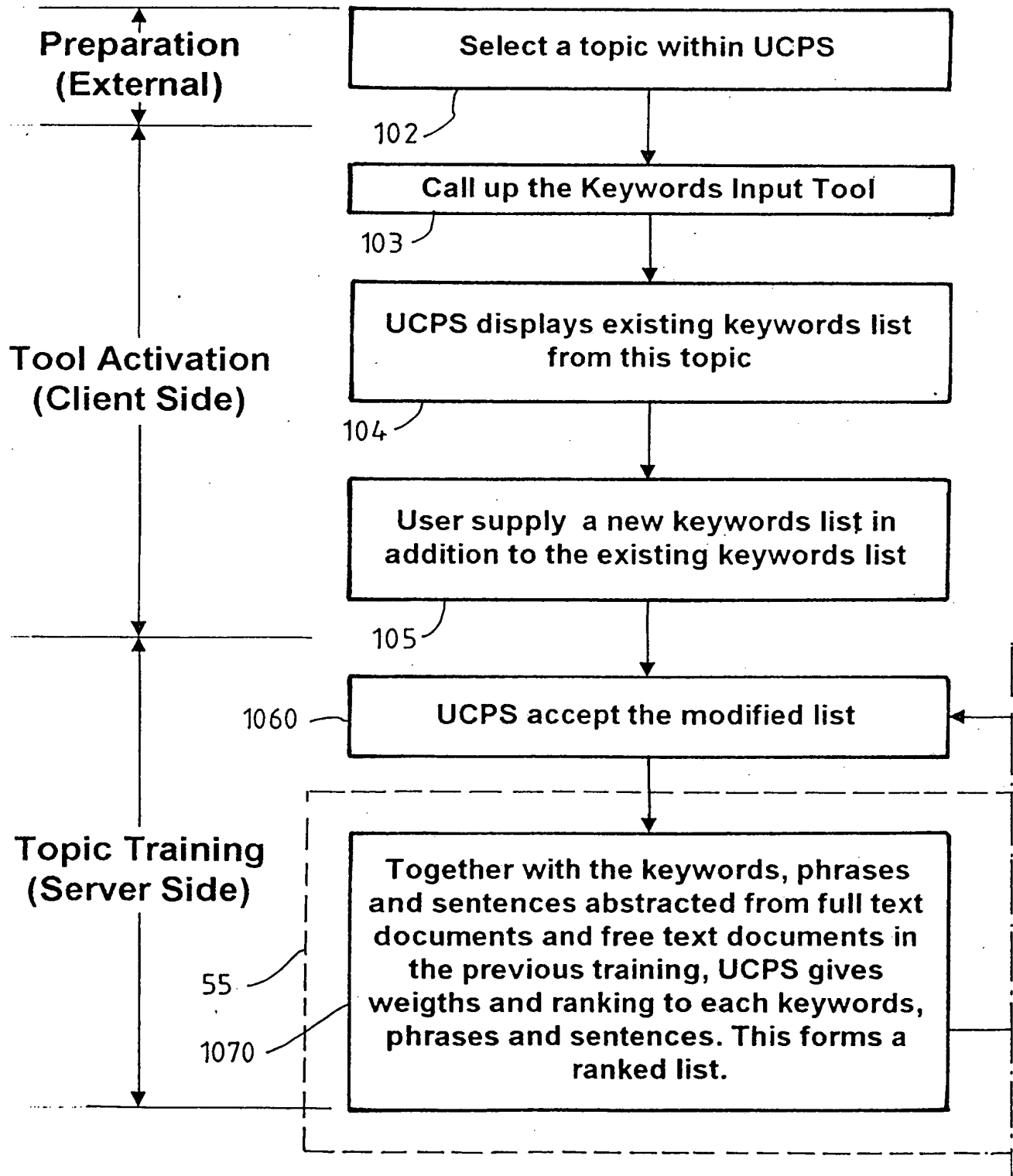
Topic Rename FlowChart



28/46

FIG. 15^a

Keywords Input FlowChart

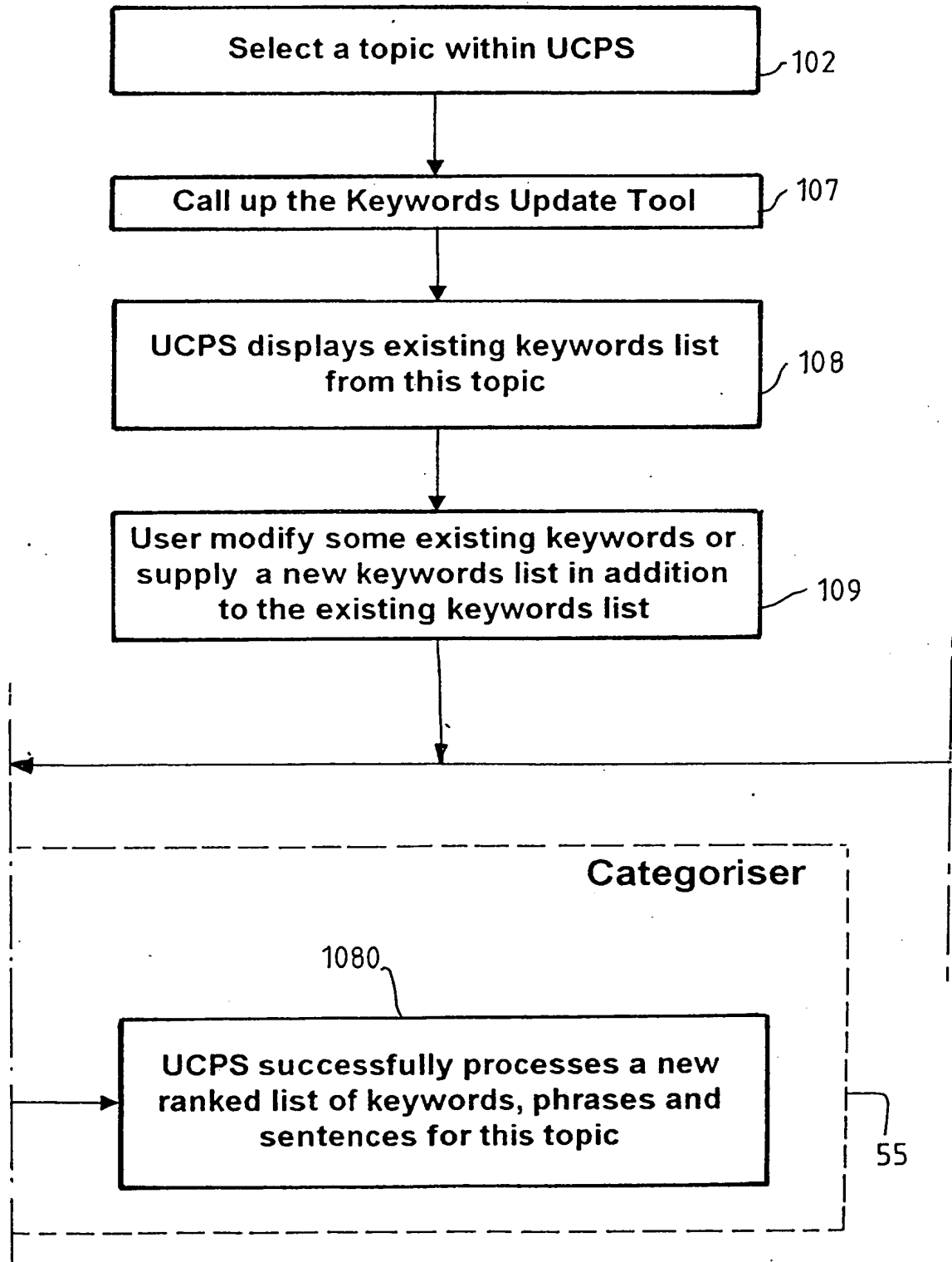


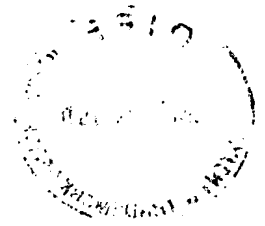
29/46



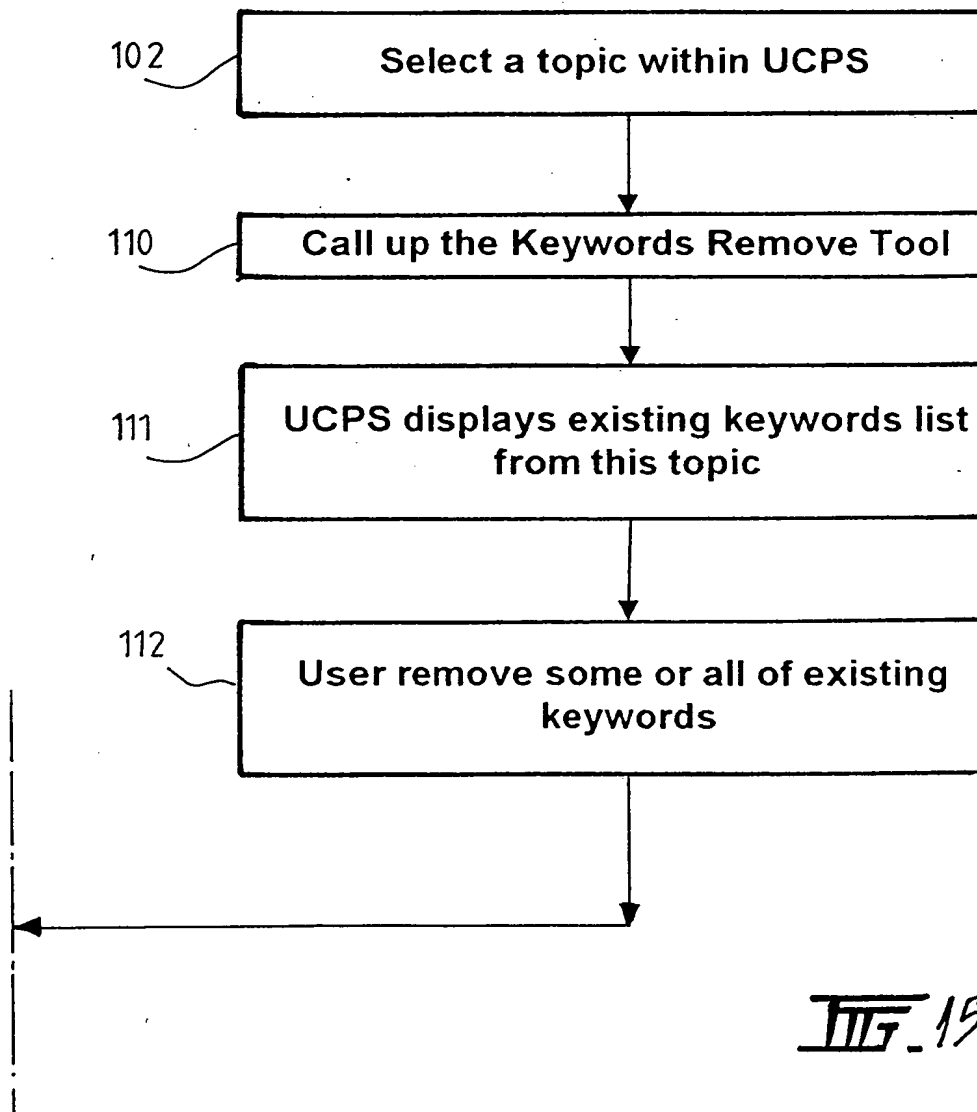
III 15b

Keywords Update FlowChart





Keywords Remove FlowChart



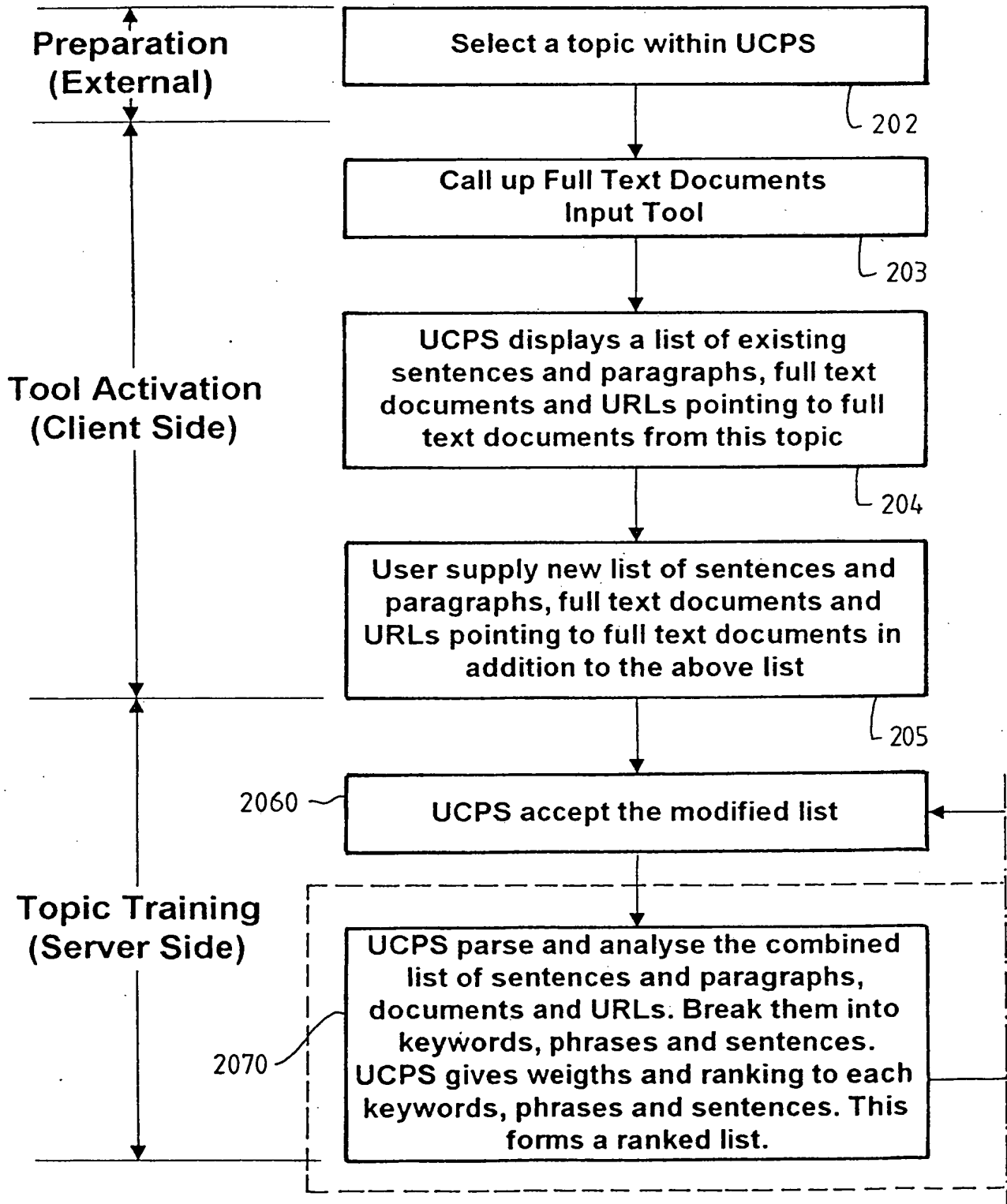
III 15C

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Full Text Documents Input FlowChart

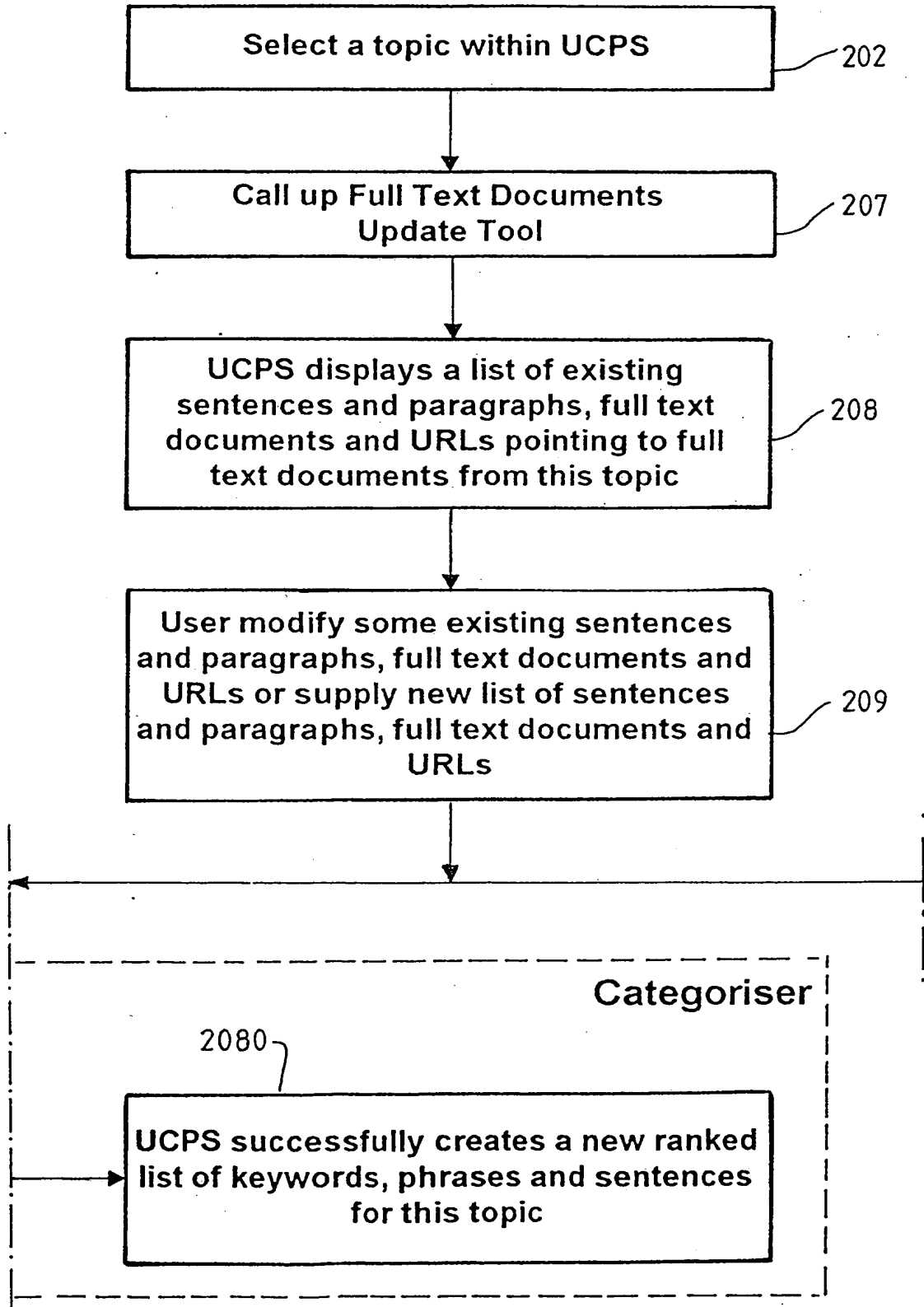


III 16^a



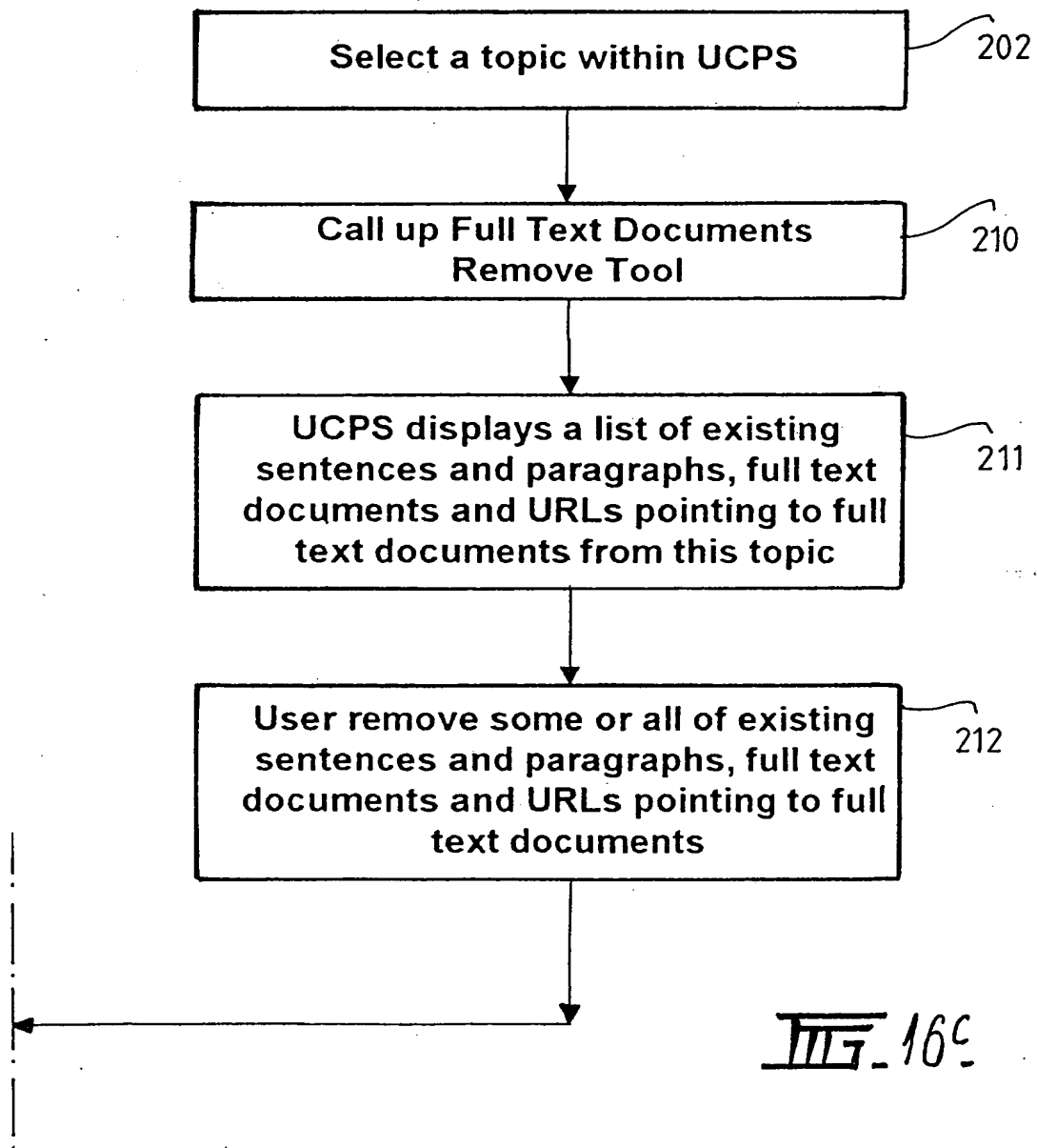
Full Text Documents Update FlowChart

III. 16b

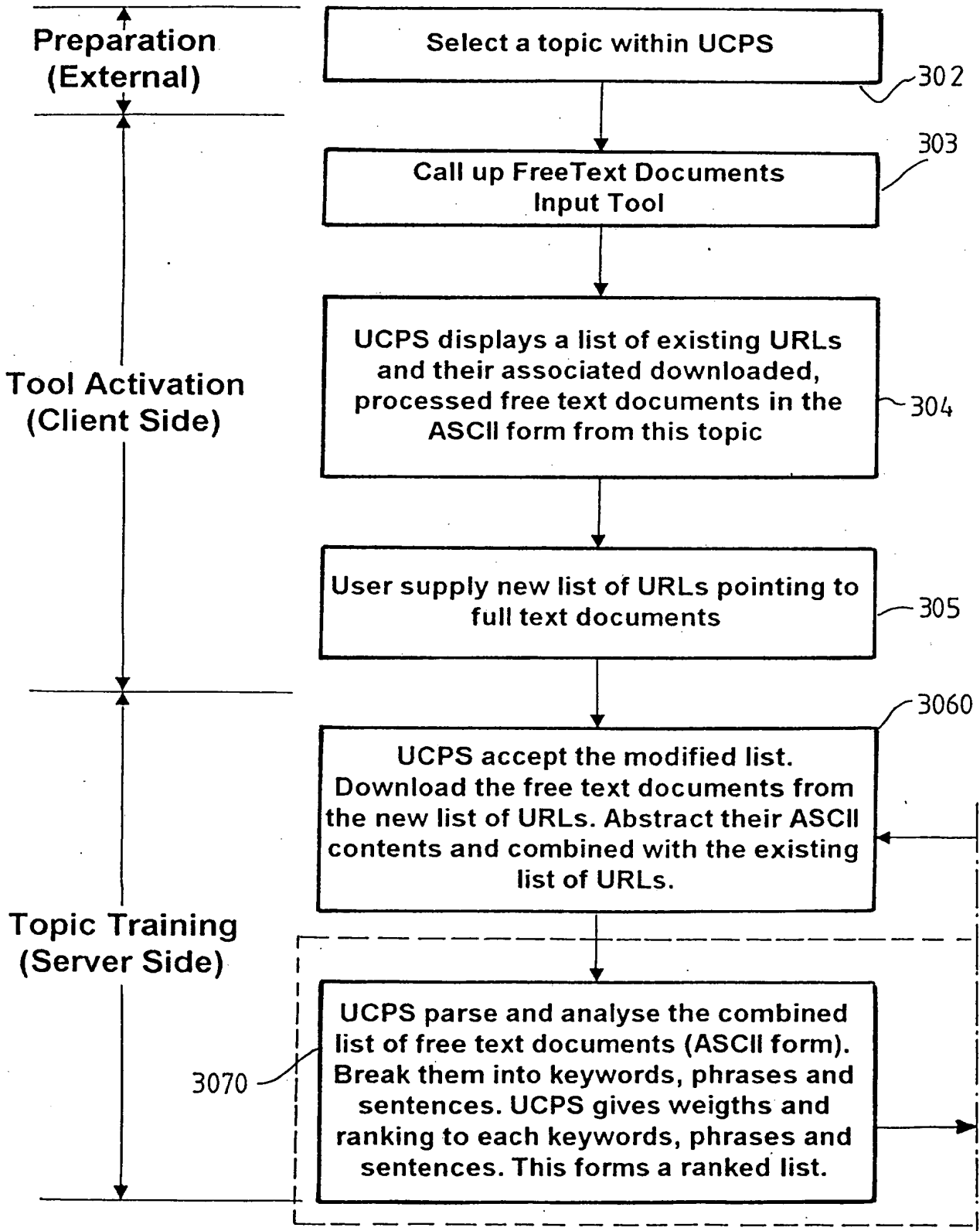




Full Text Documents Remove FlowChart

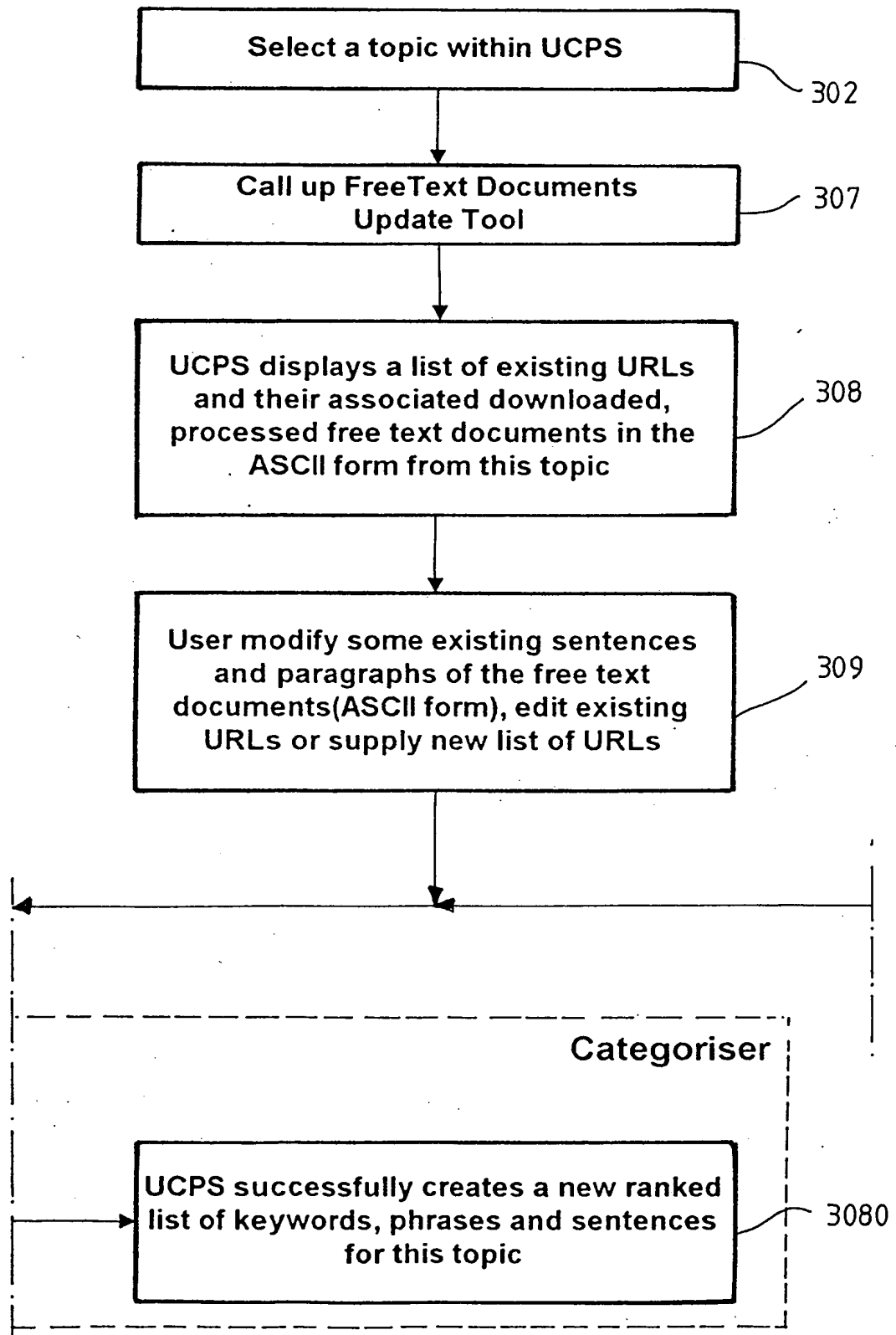


Free Text Documents Input FlowChart

FIG. 17^a

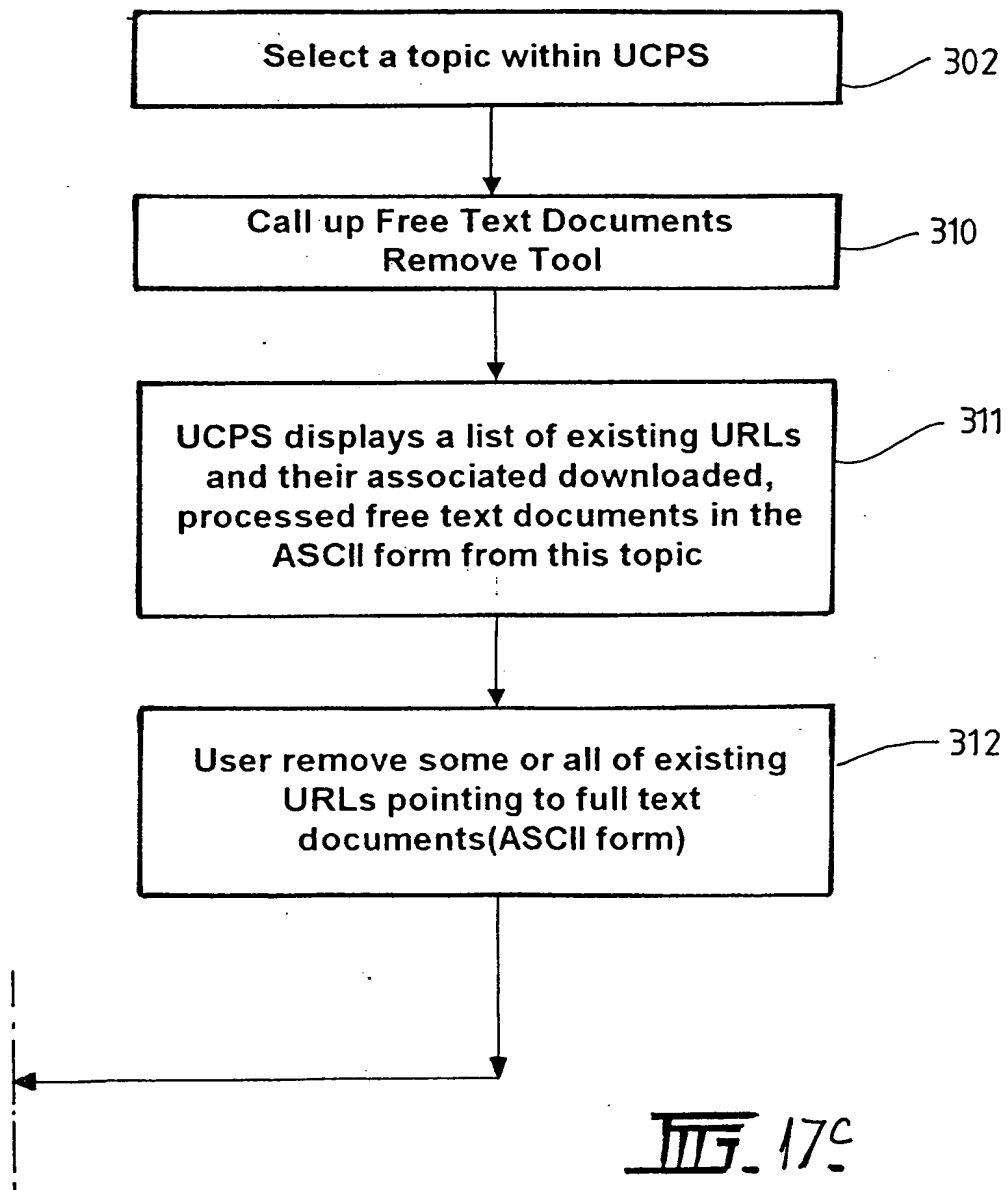
Free Text Documents Update FlowChart

17b



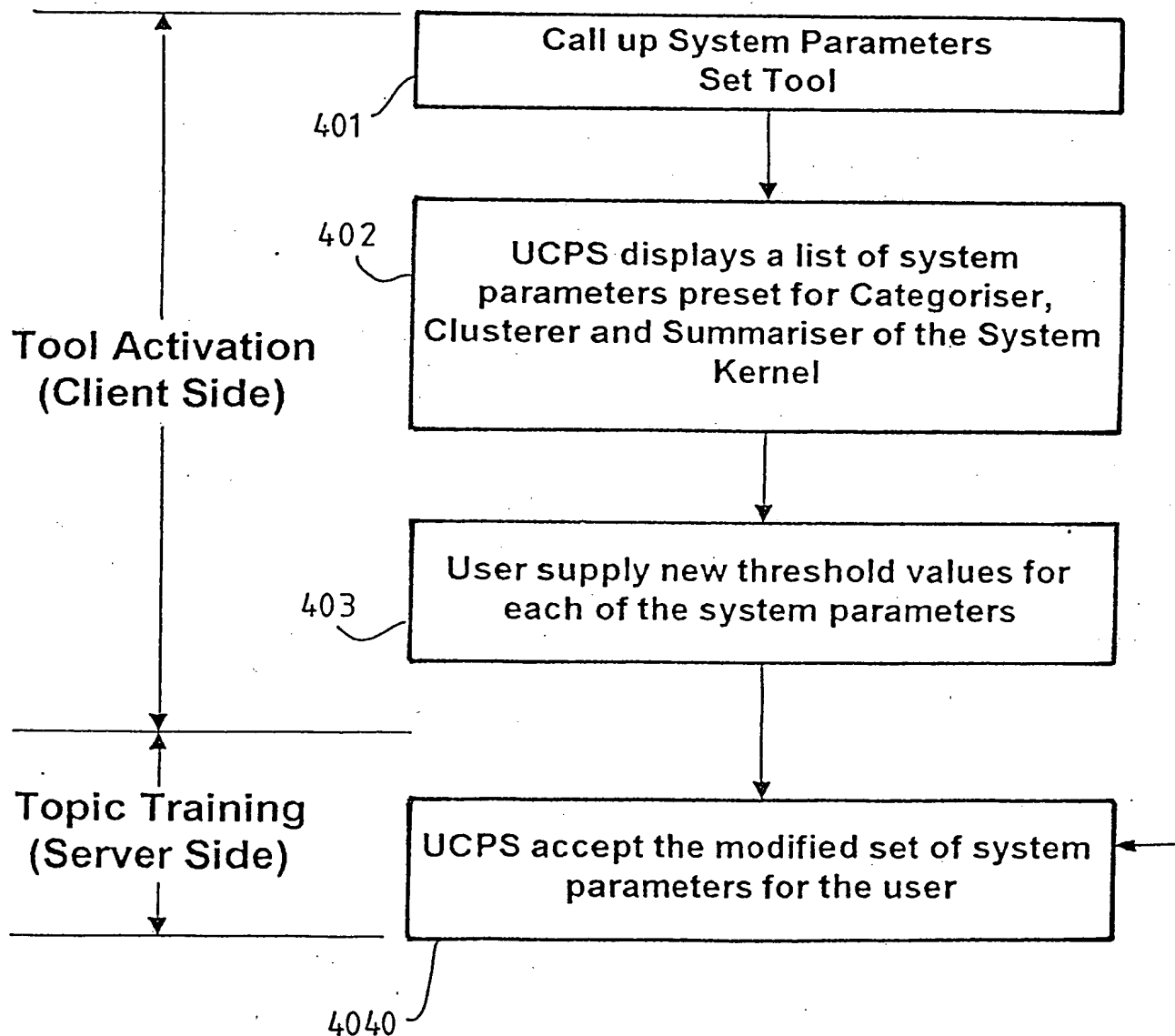


Free Text Documents Remove FlowChart



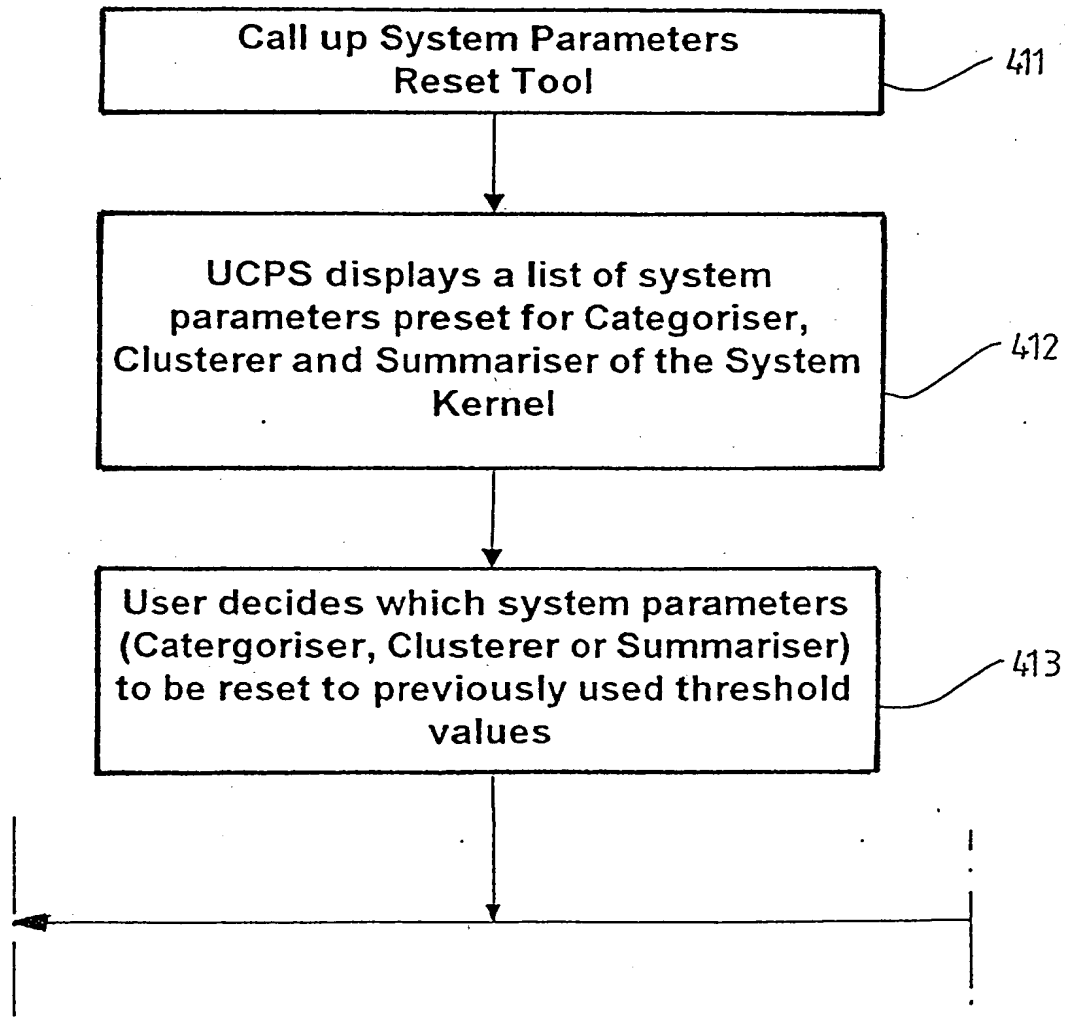


System Parameters Set FlowChart



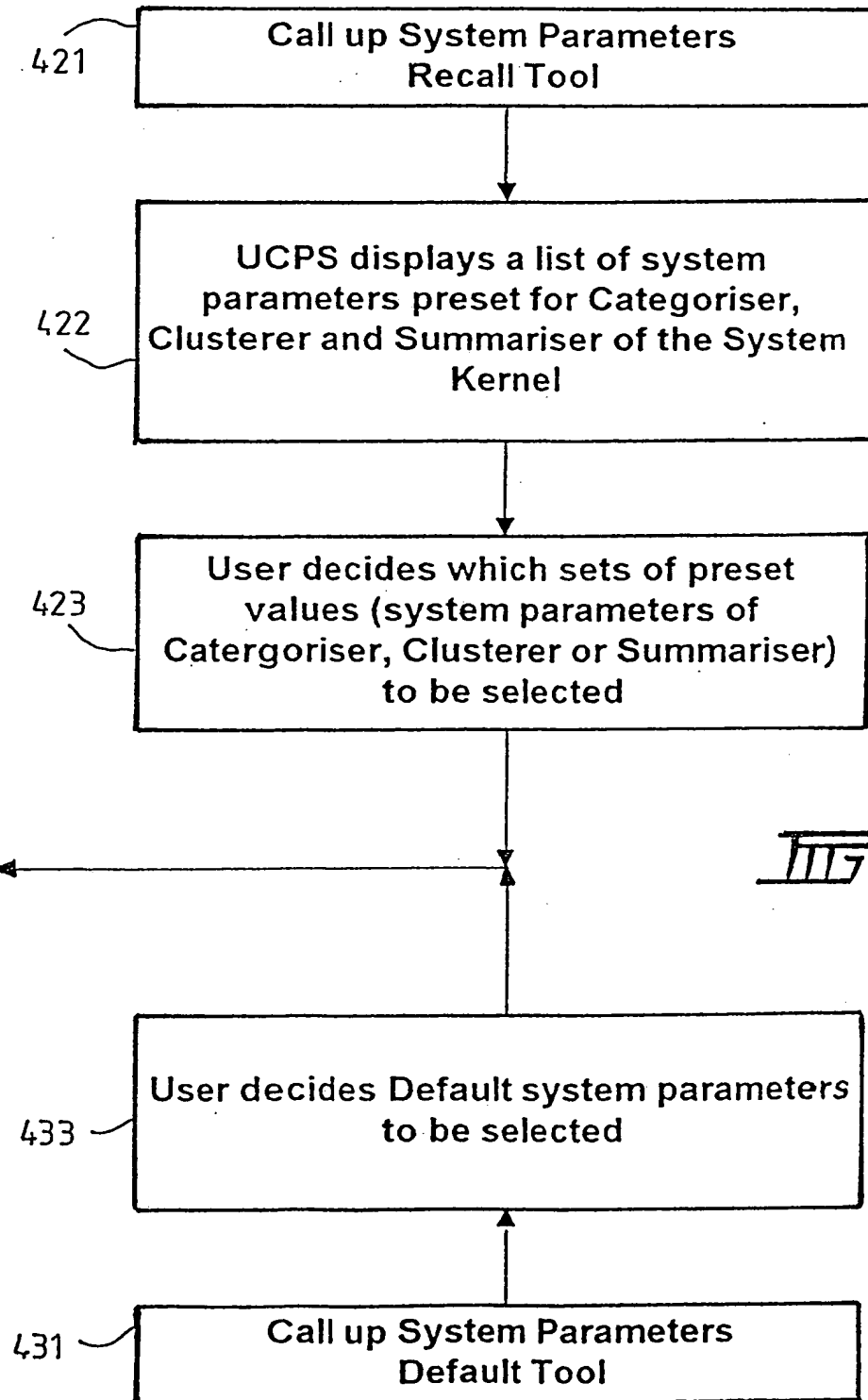


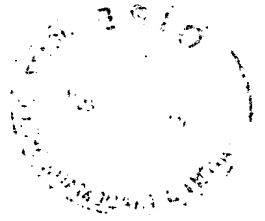
System Parameters Reset FlowChart



39/46

System Parameters Recall FlowChart





517

Pewter Tray

- Pewter Collectibles presented by **Richard & Gina TioRito**
- The Compass Rose
- Figurines and Other Interesting Things Handcrafted and Cast in Fine Pewter
- Care for Pewter
- Woodworking and Pewter Handcraft Handbook
- Fine Customised Inlays for Pewter
- Blue Raven Design
- Beautiful Pewter Gallery
- Pewter Factory
- More About Pewter
- A brief history
- Housebuilding, Carpentry and Pewtry
- This month tip : June 1999
- Design for Pewter
- Buy And Sell of Pewter : The Marketplace
- Cabinetmaking with pewter decoration
- Pewter for Desks and Tables
- Richard Bissell Fine Pewtry
- Bridal Gifts
- Danforth Pewterers
- Welcome To Ozard Arts
- Flamingo Pewters
- Royal Selango : Malaysia's Gift To The World
- Pewter Thailand

Pewter Tray

III 19^a

511

Cluster (Buy And Sell)

- Pewter Collectibles presented by Richard & Gina Tio Rito
- Pewter Factory
- Buy And Sell of Pewter : The Marketplace
- Richard Bissell Fine Pewtry
- Bridal Gifts
- Danforth Pewterers
- Flamingo Pewters
- Royal Selango : Malaysia's Gift To The World
- Online Auction for Golden Millennium Dragon Plaque
- Pewter Thailand
- The Compass Rose

512

Cluster (Design And Handcraft)

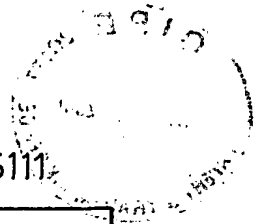
- Figurines and Other Interesting Things Handcrafted and Cast in Fine Pewter
- Beautiful Pewter Gallery
- Woodworking and Pewter Handcraft Handbook
- Blue Raven Design
- Housebuilding, Carpentry and Pewtry
- Cabinetmaking with pewter decoration
- Pewter for Desks and Tables

510

Unclustered

- Care for Pewter
- More About Pewter
- A brief history
- This month tip : June 1999
- Welcome To Ozard Arts
- This Month tip : June 1999
- Fine Customised Inlays for Pewter

Pewter Clusters
(Clusterer Threshold Setting = 0.3)



Summary : Pewter is on high demand...

5111

- Buy And Sell of Pewter : The Marketplace
- Bridal Gifts
- Online Auction for Golden Millenium Dragon Plaque

51113

Summary : Different pewters available on market...

5112

- Pewter Collectables presented by Richard & Gina TioRito
- Pewter Factory
- The Compass Rose

Summary : Good pewters from Danforth...

5113

- Richard Bissell Fine Pewtry
- Danforth Pewterers
- Flamingo Pewters
- Royal Selango : Malasia's Gift To The World
- Pewter Thailand

Summary : Many types of pewters for ...

5121

- Figurines and Other Interesting Things Handcrafted and Cast in Fine Pewter
- Woodworking and Pewter Handcraft Handbook
- Housebuilding, Carpentry and Pewtry
- Cabinetmaking with pewter decoration

Summary : Pewter design captures attention in ...

5122

- Beautiful Pewter Gallery
- Blue Raven Design
- Pewter for Desks and Tables

Pewter Multiple Document Summaries
(Summariser Threshold Setting = 0.2)

III 20a

1

Online Auction for Golden Millennium Dragon Plaque (Summarised Text)

As the Millennium Golden Dragon Year arrives only once in every three thousand years, Royal Selangor has created a limited edition Golden Millennium Dragon Plaque, the highlight of a special collection of pewter items inspired by the majestic dragon. To mark the dawn of a new era, Royal Selangor has launched an online auction for three selected plaques with three numbers of "prosperity": 8. 88 and 888.

51113a

43/46



III. 20b

51113b7

Online Auction for Golden Millennium Dragon Plaque (Original Text)

According to the Chinese lunar calendar, the year 2000 will coincide with the Year of the Dragon. Influenced by the element of metal in oriental astrology, this year is also referred to as the "Year of the Golden Dragon." As the Millennium Golden Dragon Year arrives only once in every three thousand years, Royal Selangor has created a limited edition Golden Millennium Dragon Plaque, the highlight of a special collection of pewter items inspired by the majestic dragon. Limited to only 1,000 plaques worldwide, this exquisite creation, introduced just about three months ago, is almost sold out with demands still coming in from all over the world.

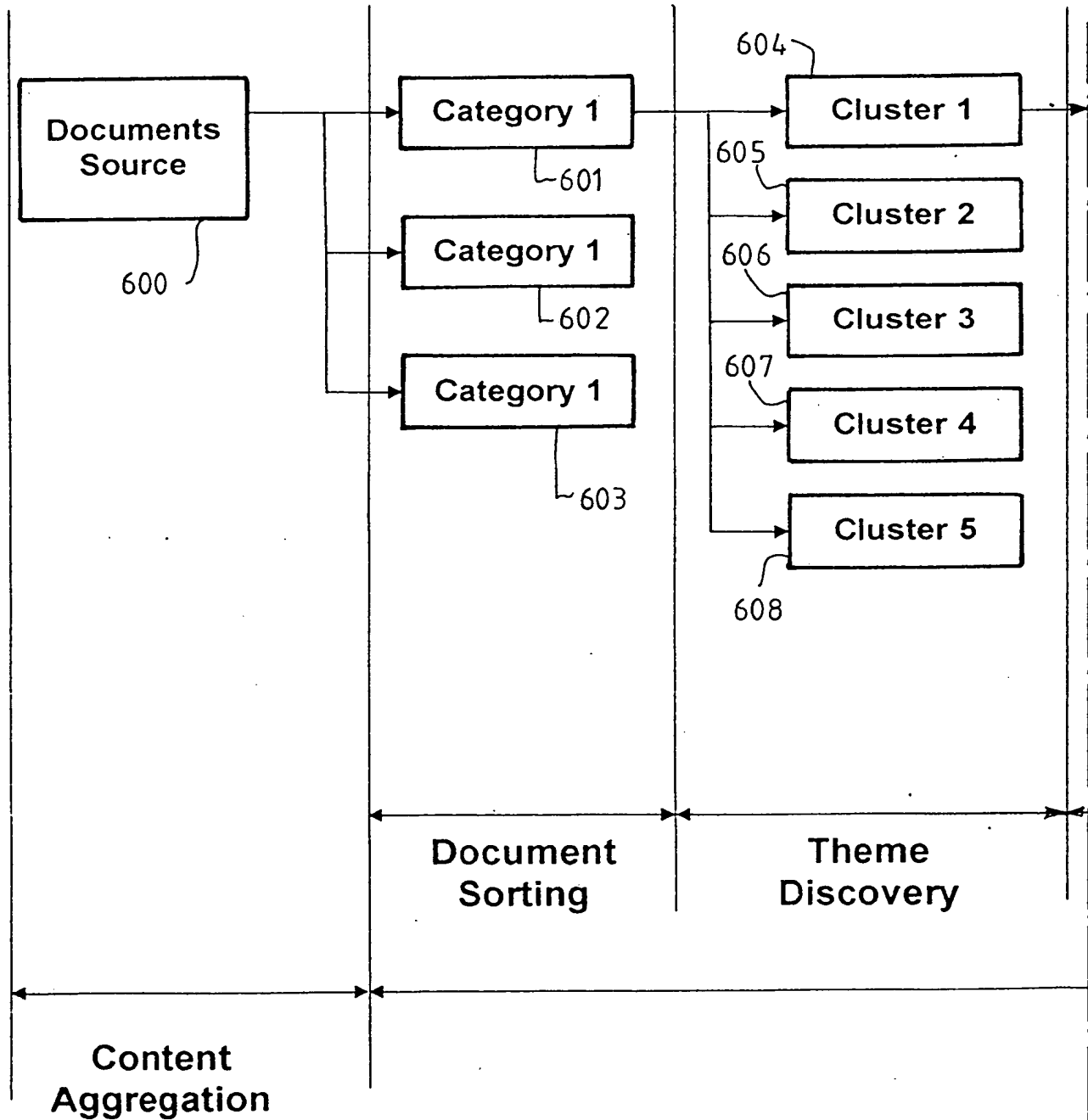
To mark the dawn of a new era, Royal Selangor has launched an online auction for three selected plaques with three numbers of "prosperity": 8, 88 and 888. In addition, Royal Selangor is also conducting a Charity Auction jointly with Nanyang-China Press for plaque number 138, where proceeds will be donated to a charity designated by the joint organisers. These auspicious numbers translate to a wish of a "prosperous life" to the owner of the plaques.

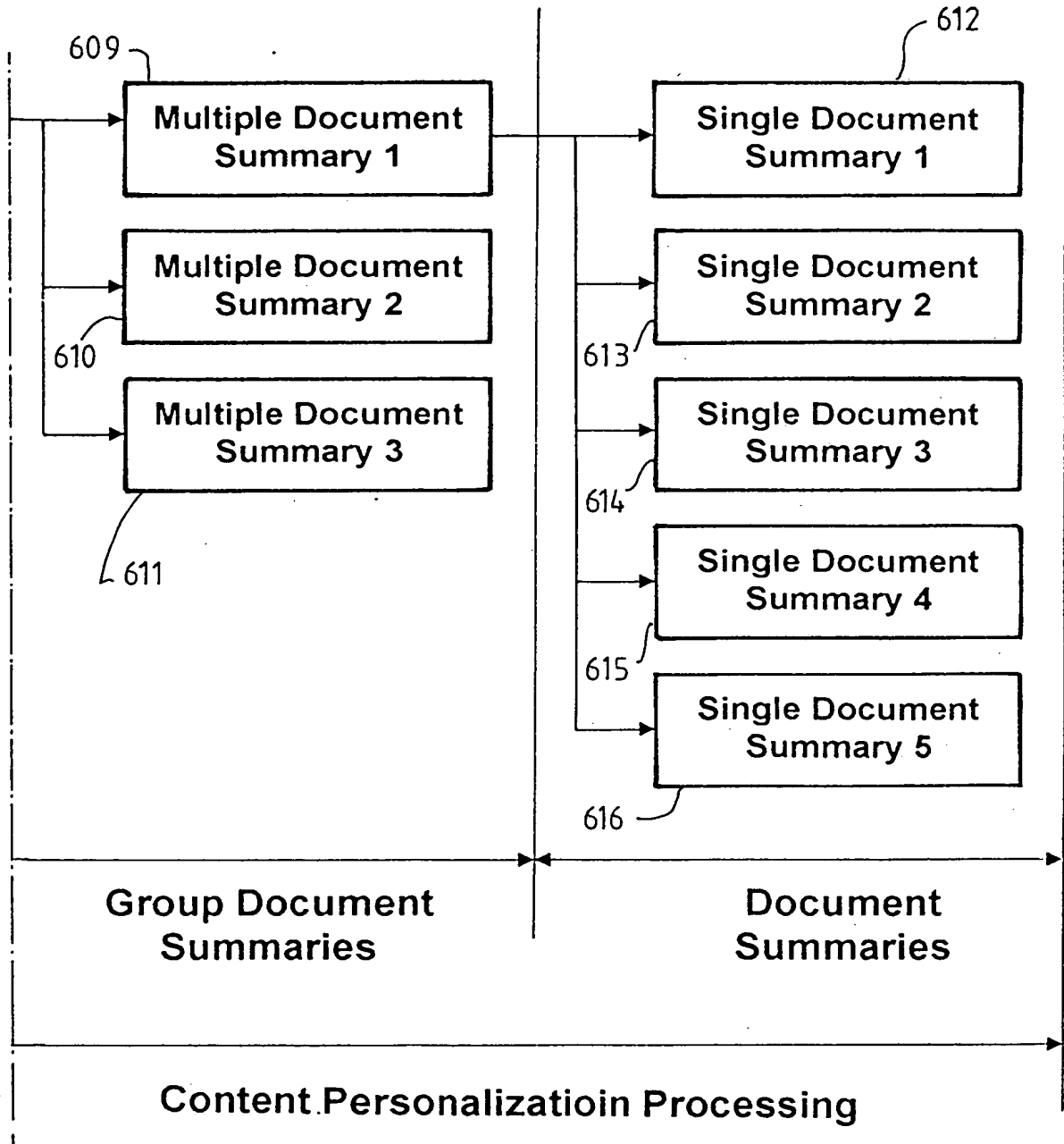
Royal Selangor's Millennium Golden Dragon Plaque is a befitting objet d'art to usher in the new era. The Flying Dragon, a popular symbol of prosperity in Chinese legendary folklore, is seen dancing amidst billowing clouds and playing with a Fire Pearl. The three-dimensional pewter rendition of the dragon brings out the vigour and dynamism of the mythical creature, while 24K-gold is used to enhance the body of the dragon and to create a glittering effect. The wooden frame with tastefully-designed pewter-gold corners accentuates the overall impression of luxury and exclusivity. The plaque comes with a serial number and a certificate of authenticity.

Bids for the three auspicious plaques 8, 88 and 888 will begin at RM 2888 while bids for plaque number 138 will begin at RM 3888. The auction begins at 12 pm, on 13 January 2000 and ends at 12 pm, 2 February 2000. No bid will be accepted before or after the duration. Bidders can log onto the website at www.royalselangor.com/dragonauction or www.lelong.com.my or call the Online Auction Centre at 03-4021 2121 from Mondays to Fridays, 9 am to 5 pm for information and telephone bids.

Royal Selangor Online Shop has been making many innovative steps in the Internet world, with online contests, free international shipping and a dynamic e-commerce site, which gives access to its exclusive products from virtually anywhere. This online auction will be a major milestone in Royal Selangor's foray into E-commerce.....

Content Personalization : Knowledge Discovery



III - 21^b